

GenCore version 5.1.4-p5_4578
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OM nucleic - nucleic search, using sw model
Run on: March 3, 2003, 21:30:10 ; Search time 4788 Seconds
(without alignments)
10606.599 Million cell updates/sec

Title: US-10-017-621-3
Perfect score: 1745
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Scoring table: IDENTITY_NUC
Gapop 10.0 , Gapext 1.0

Searched: 2054640 seqs, 14551402878 residues
Total number of hits satisfying chosen parameters: 841850

Minimum DB seq length: 0
Maximum DB seq length: 50

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : GenEmbl:*

1: gb_ba:*

2: gb_htg:*

3: gb_in:*

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6: gb_pat:*

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13: qb_un:*

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15: em_ba:*

16: em_fun:*

17: em_hum:*

18: em_in:*

19: em_mui:*

20: em_on:*

21: em_or:*

22: em_ov:*

23: em_pat:*

24: em_ph:*

25: em_pl:*

26: em_ro:*

27: em_sts:*

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29: em_vl:*

30: em_htg_hum:*

31: em_htg_inv:*

32: em_htg_other:*

33: em_htg_mus:*

34: em_htg_pln:*

35: em_htg_rod:*

36: em_htg_mam:*

37: em_htg_vrt:*

38: em_sy:*

39: em_htgo_hum:*

40: em_htgo_mus:*

41: em_htgo_other:*

Pred. No. is the number of results predicted by chance to have a a

score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
c 1	23.8	1.4	49	9 HSHCAK	X76171_H_sapiens_m
c 2	22.8	1.3	50	6 A93721	A93721_Sequence
c 3	22.4	1.3	50	6 A93722	A93722_Sequence
c 4	22.2	1.3	47	6 I84671	I84671_Sequence
c 5	22	1.3	50	6 AX159452	AX159452_Sequence
c 6	21.6	1.2	31	6 AX248673	AX248673_Sequence
c 7	21.4	1.2	42	6 AX182243	AX182243_Sequence
c 8	21.4	1.2	42	6 AX382049	AX382049_Sequence
c 9	21.4	1.2	46	6 AR032544	AR032544_Sequence
c 10	21.4	1.2	46	6 AR209208	AR209208_Sequence
c 11	21.4	1.2	46	6 I29284	I29284_Sequence
c 12	21.4	1.2	46	6 I90958	I90958_Sequence
c 13	21	1.2	31	6 AX248015	AX248015_Sequence
c 14	21	1.2	46	6 AX186238	AX186238_Sequence
c 15	20.8	1.2	46	6 A98791	A98791_Sequence
c 16	20.6	1.2	21	6 AX15398	AX15398_Sequence
c 17	20.6	1.2	45	6 AR022074	AR022074_Sequence
c 18	20.6	1.2	45	6 I55009	I55009_Sequence
c 19	20.6	1.2	45	6 I92864	I92864_Sequence
c 20	20.4	1.2	48	6 AR079723	AR079723_Sequence
c 21	20.4	1.2	48	6 AR081253	AR081253_Sequence
c 22	20.4	1.2	48	6 AR170613	AR170613_Sequence
c 23	20.2	1.2	40	6 AR200128	AR200128_Sequence
c 24	20.2	1.2	45	6 I68030	I68030_Sequence
c 25	20.2	1.2	45	6 AX225169	AX225169_Sequence
c 26	20.2	1.2	49	6 AR083818	AR083818_Sequence
c 27	20.2	1.2	49	9 SB2032	WRL=WILMS,
c 28	20.2	1.2	50	6 AX233404	AX233404_Sequence
c 29	20	1.1	36	6 A07324	A07324_Synthetic_D
c 30	20	1.1	36	6 I12501	I12501_Sequence
c 31	20	1.1	41	6 BD007998	BD007998_Targeted
c 32	20	1.1	44	6 A07325	A07325_Synthetic_D
c 33	20	1.1	44	6 I12502	I12502_Sequence
c 34	20	1.1	46	6 E52011	E52011_II-6 receptor
c 35	19.8	1.1	46	6 AX036348	AX036348_Sequence
c 36	19.8	1.1	46	6 AX036350	AX036350_Sequence
c 37	19.8	1.1	48	6 BD012118	BD012118_Vitamin_D
c 38	19.8	1.1	48	3 BD00595	BD00595_Vitamin_D
c 39	19.6	1.1	39	6 AX452442	AX452442_Sequence
c 40	19.6	1.1	42	6 AR153233	AR153233_Sequence
c 41	19.6	1.1	45	6 I17261	I17261_Sequence
c 42	19.6	1.1	45	6 I47720	I47720_Sequence
c 43	19.6	1.1	50	6 AR032970	AR032970_Sequence
c 44	19.6	1.1	50	6 AR209834	AR209834_Sequence
c 45	19.6	1.1	50	6 AX199648	AX199648_Sequence

ALIGNMENTS

RESULT	1	HSHCAK	mRNA	linear	PRI 08-AUG-1995
LOCUS		H.sapiens mRNA for Cdk activating kinase.			
DEFINITION					
ACCESSION	X76171				
VERSION	X76171.1	G1:429096			
KEYWORDS		activating kinase; protein kinase.			
SOURCE		Homo sapiens			
ORGANISM					
		Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;			
		Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.			
REFERENCE	1	(bases 1 to 49)			
AUTHORS		Hall,F.L.			
TITLE		Direct Submission			
JOURNAL		Submitted (08-NOV-1993) F.L. Hall, Childrens Hospital Los Angeles,			

REFERENCE	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.	JOURNAL	Patent: WO 0142441-A 53 14 -JUN-2001;
AUTHORS	Shumkets,R.A. and Leach,M.	FEATURES	International Centre for Genetic Engineering and Biotechnology (IT)
TITLE	Nucleic acids containing single nucleotide polymorphisms and methods of use thereof	source	Location/Qualifiers 1..42
JOURNAL	Patent: WO 0140521-A 2780 07-JUN-2001;		/organism="synthetic construct"
FEATURES	Curagen Corporation (US)		/db_xref="taxon:32630"
SOURCE	Location/Qualifiers 1..50		/note="Primer"
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	25..26		
	/note="Nucleotide deleted between bases 25 and 26	Query Match	Score 21.4; DB 6; Length 42;
	Accession number cg42460243"	Best Local Similarity 80.6%; Pred. No. 2..8e+06;	
misc_feature	/note="2 of 2 allelic variants (2779 is other entry)"	Mismatches 6; Indels 0; Gaps 0;	
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LOCUS	Matches 28; Conservative 0; Mismatches 10; Indels 0; Gaps 0;	LOCUS	AX382049
DEFINITION		DEFINITION	AX382049
ACCESSION		ACCESSION	AX382049
VERSION		VERSION	AX382049.1
KEYWORDS		KEYWORDS	GI:19576871
SOURCE		SOURCE	
ORGANISM	Homo sapiens	ORGANISM	synthetic construct.
	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;		
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		
REFERENCE	Carroll,M., Ireland,J.S. and Lander,E.S.	REFERENCE	1
AUTHORS	Human single nucleotide polymorphisms	AUTHORS	Reddy,V.S. and Sadhu,L.
TITLE	Patent: WO 0166800-A 752 13-SEP-2001;	TITLE	Transplasmidic plants
JOURNAL	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)	JOURNAL	Patent: WO 0206497-A 53 24-JAN-2002;
FEATURES	Location/Qualifiers 1..31	FEATURES	International Centre for Genetic Engineering and Biotechnology (IT)
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ORGANISM			/organism="synthetic construct"
	/db_xref="Primer"		/note="Primer"
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LOCUS	31 bp DNA	Mismatches 6; Indels 0; Gaps 0;	
DEFINITION	Sequence 752 from Patent WO0166800.	DEFINITION	80.6%; Pred. No. 2..8e+06;
ACCESSION	AX248673	ACCESSION	Mismatches 6; Indels 0; Gaps 0;
VERSION	GI:158633296	VERSION	
KEYWORDS		KEYWORDS	
SOURCE	human.	SOURCE	
ORGANISM	Homo sapiens	ORGANISM	Unknown.
	Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.		Unclassified.
REFERENCE	Cargill,M., Ireland,J.S. and Lander,E.S.	REFERENCE	1 (bases 1 to 46)
AUTHORS	Human single nucleotide polymorphisms	AUTHORS	Edwards,C.A., Cantor,C.R., Andrews,B.M., Turin,L.M. and Fry,K.E.
TITLE	Patent: WO 0166800-A 752 13-SEP-2001;	TITLE	Method of determining DNA sequence preference of a DNA-binding molecule
JOURNAL	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)	JOURNAL	Patent: US 5869241-A 156 09-FEB-1999;
FEATURES	Location/Qualifiers 1..31	FEATURES	Location/Qualifiers 1..46
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ORGANISM		ORGANISM	
	/db_xref="Primer"		
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LOCUS	42 bp DNA	Length 31;	
DEFINITION	Sequence 53 from Patent WO0142441.	Length 31;	
ACCESSION	AX182243	Length 31;	
VERSION	AX182243.1 GI:15133518	Length 31;	
KEYWORDS		Length 31;	
SOURCE	synthetic construct.	Length 31;	
ORGANISM	synthetic construct.	Length 31;	
	artificial sequences.	Length 31;	
REFERENCE	1 (bases 1 to 42)	Length 31;	
AUTHORS	Reddy,S.I., Sadhu,L.I., Shukla,V.C. and Ferraiolo,G.I.	Length 31;	
TITLE	Plastid transformation	Length 31;	

Best Local Similarity 71.8%; Pred. No. 2.8e+06; Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;									
Qy 1641 CGGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679 Db 2 GCGGSGATGAGGACCTCCACCACTACAGGGCAGGCC 40									
RESULT 10 AR209208 AR209208 46 bp DNA linear PAT 20-JUN-2002									
DEFINITION Sequence 156 from patent US 6384208.									
REFERENCE Edwards, C.A., Cantor, C.R., Andrews, B.M., Turin,L.M.	AUTHORS	TITLE	JOURNAL	FEATURES	SOURCE	BASE COUNT	9 a	14 c	16 g
ACCESSION AR209208	KEYWORDS	VERSION	LOCATION/QUALIFIERS		ORGANISM	ORIGIN	7 t		
SEQUENCE .	UNKNOWN.	PATENT: US 6384208-A 156 07 MAY 2002;	LOCATION/QUALIFIERS		UNCLASSIFIED.	UNCLASSIFIED.			
DEFINITION Sequence directed DNA binding molecules compositions and methods	REFERENCE 1 (bases 1 to 46)	EDWARD, C.A., CANTOR, C.R., ANDREWS, B.M., TURIN, L.M.	TITLE	JOURNAL	FEATURES	SOURCE			
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SEQUENCE .	UNKNOWN.	PATENT: US 6384208-A 156 07 MAY 2002;	LOCATION/QUALIFIERS		UNCLASSIFIED.	UNCLASSIFIED.			
RESULT 11 I29284 I29284 46 bp DNA linear PAT 06-FEB-1997									
DEFINITION Sequence 156 from patent US 5578444.									
REFERENCE Edwards, C.A., Cantor, C.R., Andrews, B.M., Turin,L.M.	AUTHORS	TITLE	JOURNAL	FEATURES	SOURCE	BASE COUNT	9 a	9 c	8 g
ACCESSION I29284	KEYWORDS	VERSION	LOCATION/QUALIFIERS		ORGANISM	ORIGIN	8 t		1 others
SEQUENCE .	UNKNOWN.	PATENT: US 5578444-A 156 26 NOV 1996;	LOCATION/QUALIFIERS		UNCLASSIFIED.	UNCLASSIFIED.			
DEFINITION Sequence directed DNA binding molecules compositions and methods	REFERENCE 1 (bases 1 to 46)	EDWARD, C.A., CANTOR, C.R., ANDREWS, B.M., TURIN, L.M.	TITLE	JOURNAL	FEATURES	SOURCE			
ACCESSION I29284	KEYWORDS	VERSION	LOCATION/QUALIFIERS		ORGANISM	ORIGIN			
SEQUENCE .	UNKNOWN.	PATENT: US 5578444-A 156 26 NOV 1996;	LOCATION/QUALIFIERS		UNCLASSIFIED.	UNCLASSIFIED.			
RESULT 12 I10958 I10958 46 bp DNA linear PAT 01-DEC-1998									
DEFINITION Sequence 156 from patent US 5726014.									
REFERENCE Edwards, C.A., Cantor, C.R., Andrews, B.M., Turin,L.M.	AUTHORS	TITLE	JOURNAL	FEATURES	SOURCE	BASE COUNT	9 a	14 c	16 g
ACCESSION I10958	KEYWORDS	VERSION	LOCATION/QUALIFIERS		ORGANISM	ORIGIN	7 t		
SEQUENCE .	UNKNOWN.	PATENT: US 5726014-A 156 10-MAR-1998;	LOCATION/QUALIFIERS		UNCLASSIFIED.	UNCLASSIFIED.			
DEFINITION Screening assay for the detection of DNA-binding molecules	REFERENCE 1 (bases 1 to 46)	EDWARD, C.A., CANTOR, C.R., ANDREWS, B.M., TURIN, L.M.	TITLE	JOURNAL	FEATURES	SOURCE			
ACCESSION I10958	KEYWORDS	VERSION	LOCATION/QUALIFIERS		ORGANISM	ORIGIN			
SEQUENCE .	UNKNOWN.	PATENT: WO 5726014-A 156 10-MAR-1998;	LOCATION/QUALIFIERS		UNCLASSIFIED.	UNCLASSIFIED.			
RESULT 13 AX248015 AX248015 31 bp DNA linear PAT 28-SEP-2001									
DEFINITION Sequence 94 from Patent WO0166800.									
REFERENCE 1 (bases 1 to 31)	AUTHORS	TITLE	JOURNAL	FEATURES	SOURCE	BASE COUNT	5 a	9 c	8 g
ACCESSION AX248015	KEYWORDS	VERSION	LOCATION/QUALIFIERS		ORGANISM	ORIGIN	8 t		
SEQUENCE .	HUMAN.	PATENT: WO 0166800-A 94 13-SEP-2001;	LOCATION/QUALIFIERS		EUKARYOTA; METAZOA; CHORDATA; CRANIATA; VERTEBRATA; EUTELEOSTOMI; MAMMALIA; EUTHERIA; PRIMATES; CATARRHINI; HOMINIDAE; HOMO.	UNCLASSIFIED.			
DEFINITION Human single nucleotide polymorphisms	REFERENCE 1 (bases 1 to 31)	EDWARD, C.A., CANTOR, C.R., ANDREWS, B.M., TURIN, L.M.	TITLE	JOURNAL	FEATURES	SOURCE			
ACCESSION AX248015	KEYWORDS	VERSION	LOCATION/QUALIFIERS		WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)	UNCLASSIFIED.			
SEQUENCE .	PATENT: WO 0166800-A 94 13-SEP-2001;	PATENT	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)	LOCATION/QUALIFIERS	UNCLASSIFIED.	UNCLASSIFIED.			
RESULT 14 AX186238/c AX186238/c 46 bp DNA linear PAT 06-AUG-2001									
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REFERENCE 1 (bases 1 to 46)	AUTHORS	TITLE	JOURNAL	FEATURES	SOURCE	BASE COUNT	9 a	9 c	8 g
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DEFINITION Genes, compositions, kits, and methods for identification, assessment, prevention, and therapy of cervical cancer	REFERENCE 1 (bases 1 to 46)	EDWARD, C.A., CANTOR, C.R., ANDREWS, B.M., TURIN, L.M.	TITLE	JOURNAL	FEATURES	SOURCE			
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REFERENCE 1 (bases 1 to 46)	AUTHORS	TITLE	JOURNAL	FEATURES	SOURCE	BASE COUNT	9 a	9 c	8 g
ACCESSION AX186238	KEYWORDS	VERSION	LOCATION/QUALIFIERS		ORGANISM	ORIGIN	8 t		
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DEFINITION Screening assay for the detection of DNA-binding molecules	REFERENCE 1 (bases 1 to 46)	EDWARD, C.A., CANTOR, C.R., ANDREWS, B.M., TURIN, L.M.	TITLE	JOURNAL	FEATURES	SOURCE			
ACCESSION AX186238	KEYWORDS	VERSION	LOCATION/QUALIFIERS		WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)	UNCLASSIFIED.			
SEQUENCE .	PATENT: WO 5726014-A 156 10-MAR-1998;	PATENT	WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US)	LOCATION/QUALIFIERS	UNCLASSIFIED.	UNCLASSIFIED.			

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RESULT 15

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ACCESSION      A98791
VERSION        A98791.1  GI:671812
KEYWORDS       .unclassified.

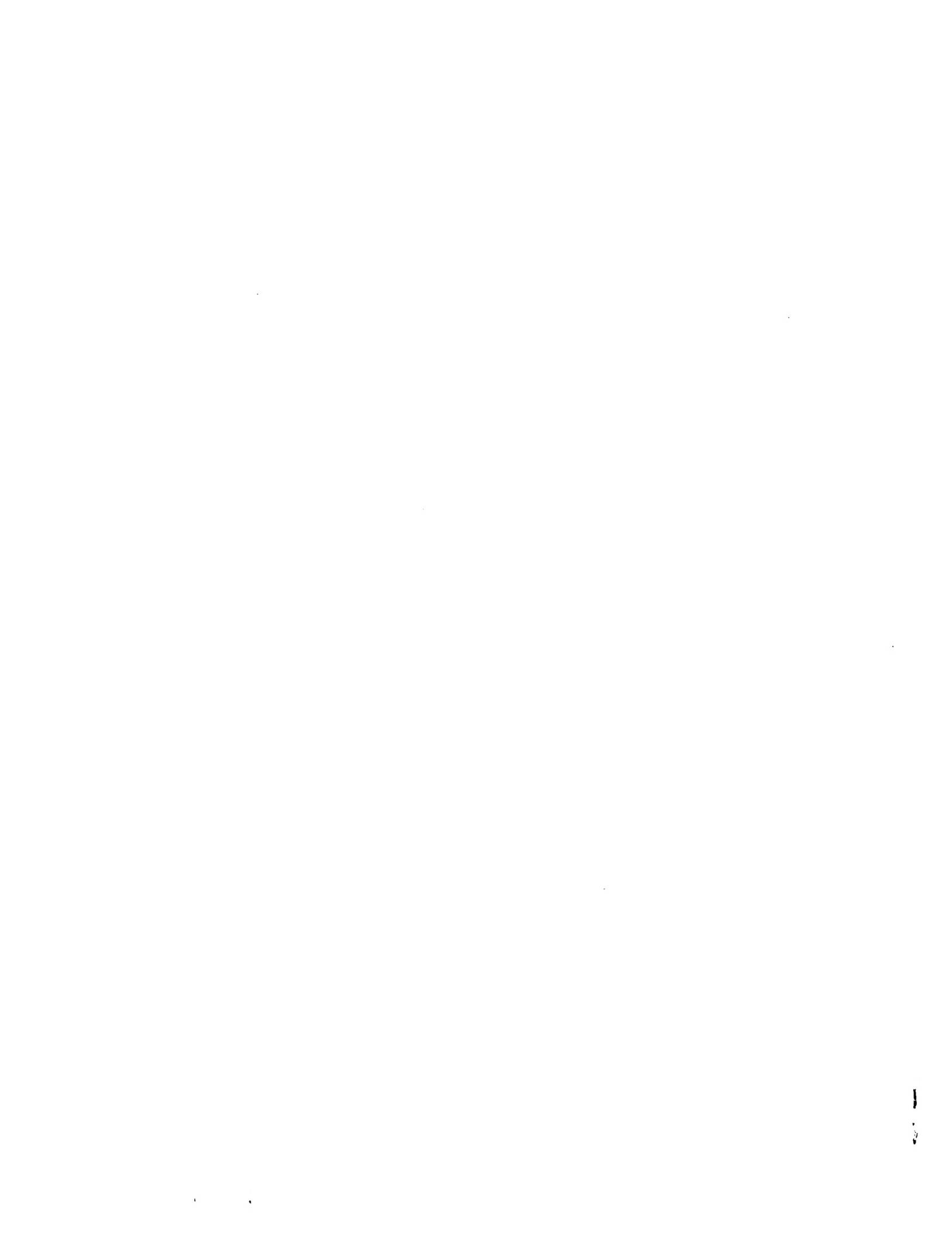
SOURCE          unidentified.
ORGANISM        unidentified.
REFERENCE       1 (bases 1 to 46)
AUTHORS         Hegemann,P.
TITLE           METHOD FOR PRODUCING NUCLEIC ACID POLYMERS
JOURNAL         Patent: WO 9910358-A 24 04-MAR-1999;
                HEGEMANN PETER (DE)
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Matches 25; Conservative 0; Mismatches 7; Indels 0; Gaps 0;

Qy  500 TGCCCTGAGGGCTACCTGGAGAACCTGACCCTC 531
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Search completed: March 4, 2003, 00:06:28
Job time : 4.794 secs



Result No.	Score	Query	Match	Length	DB	ID	Description
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c 2	22.4	Copyright (C) 1993 - 2003 Compugen Ltd.	1.3	33	24	ABA04099	Human Cdk5 related
c 3	22.4	OM nucleic - nucleic search, using sw model	1.3	33	24	ABA4100	Human Cdk5 related
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)							Human single nucle
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Scoring table: IDENTITY_NUC	Gapop 10.0 , Gapext 1.0						HIV coding region
Searched: 2185239 seqs, 1125999159 residues							(CURA-) CURAGEN CORP.
Total number of hits satisfying chosen parameters: 2166140							
Minimum DB seq length: 0							
Maximum DB seq length: 50							
Post-processing: Minimum Match 0%							
Maximum Match 100%							
Listing first 45 summaries							
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SUMMARIES							
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c 1	24.8	Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	1.4	50	22	AAL34335	Human SNP Oligonuc
c 2	22.4	Copyright (C) 1993 - 2003 Compugen Ltd.	1.3	33	24	ABA04099	Human Cdk5 related
c 3	22.4	OM nucleic - nucleic search, using sw model	1.3	33	24	ABA4100	Human Cdk5 related
c 4	22	Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	1.3	31	22	AAL30264	Human single nucle
c 5	22	Title: US-10-017-621-3	1.3	50	22	AAL295839	Human silent SNP C
c 6	21.4	Perfect score: 1745	1.2	31	22	AAL29606	HIV coding region
c 7	21.4	Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	1.2	42	22	AAH2523	(CURA-) CURAGEN CORP.
c 8	21.4		1.2	42	24	AAD39563	
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Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	21.4	21.4	1.2	46	20	AAX17156	
Copyright (C) 1993 - 2003 Compugen Ltd.	21.4	21.4	1.2	46	24	ABK82647	
OM nucleic - nucleic search, using sw model	21	21	1.2	21	22	AAH62195	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	18	21	1.2	46	22	AAH70659	
Title: US-10-017-621-3	18	21	1.2	46	20	AAX34286	
Perfect score: 1745	18	20.6	1.2	45	16	AAT07598	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	18	20.6	1.2	45	16	AAT00670	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	17	20.6	1.2	45	16	AAT27875	
Copyright (C) 1993 - 2003 Compugen Ltd.	17	20.6	1.2	45	16	AAT72077	
OM nucleic - nucleic search, using sw model	17	20.6	1.2	32	24	AAT72077	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	17	20.6	1.2	41	24	AQ50230	
Title: US-10-017-621-3	17	20.2	1.2	36	19	AAV46356	
Perfect score: 1745	17	20.2	1.2	40	16	AQ76190	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	17	20.2	1.2	40	18	AKT9103	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	16	20.2	1.2	40	22	ABL54053	
Copyright (C) 1993 - 2003 Compugen Ltd.	16	20.2	1.2	40	24	ABL34645	
OM nucleic - nucleic search, using sw model	16	20.2	1.2	41	24	ABK48869	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	16	20.2	1.2	41	24	ABK48810	
Title: US-10-017-621-3	16	20.2	1.2	45	22	AAD17287	
Perfect score: 1745	16	20.2	1.2	49	20	AZ231379	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	16	20.2	1.2	50	19	AVP59127	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	15	20.2	1.2	50	22	AA543538	
Copyright (C) 1993 - 2003 Compugen Ltd.	15	20.2	1.2	50	22	AA543538	
OM nucleic - nucleic search, using sw model	15	20.2	1.2	51	19	AAV37843	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	15	20.2	1.2	51	21	AAZ91309	
Title: US-10-017-621-3	15	20.2	1.2	51	21	AAZ67385	
Perfect score: 1745	15	20.2	1.2	50	22	AAL29733	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	15	20.2	1.2	50	22	AAZ34645	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	14	20.2	1.2	50	22	ACB82589	
Copyright (C) 1993 - 2003 Compugen Ltd.	14	20.2	1.2	50	24	AAV53859	
OM nucleic - nucleic search, using sw model	14	20.2	1.2	51	18	AAV53859	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	14	20.2	1.2	51	18	AAV1924	
Title: US-10-017-621-3	14	20.2	1.2	48	21	AAA33302	
Perfect score: 1745	14	19.8	1.1	48	21	AAA03704	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	14	19.8	1.1	48	22	AAH74232	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	13	19.6	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	13	19.6	1.1	31	22	AAI30029	
OM nucleic - nucleic search, using sw model	13	19.6	1.1	31	22	AAI30029	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	13	19.6	1.1	31	22	AAI30029	
Title: US-10-017-621-3	13	19.6	1.1	31	22	AAI30029	
Perfect score: 1745	13	19.6	1.1	31	22	AAI30029	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	13	19.6	1.1	31	22	AAI30029	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	12	19.4	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	12	19.4	1.1	31	22	AAI30029	
OM nucleic - nucleic search, using sw model	12	19.4	1.1	31	22	AAI30029	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	12	19.4	1.1	31	22	AAI30029	
Title: US-10-017-621-3	12	19.4	1.1	31	22	AAI30029	
Perfect score: 1745	12	19.4	1.1	31	22	AAI30029	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	12	19.4	1.1	31	22	AAI30029	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	11	19.2	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	11	19.2	1.1	31	22	AAI30029	
OM nucleic - nucleic search, using sw model	11	19.2	1.1	31	22	AAI30029	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	11	19.2	1.1	31	22	AAI30029	
Title: US-10-017-621-3	11	19.2	1.1	31	22	AAI30029	
Perfect score: 1745	11	19.2	1.1	31	22	AAI30029	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	11	19.2	1.1	31	22	AAI30029	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	10	19	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	10	19	1.1	31	22	AAI30029	
OM nucleic - nucleic search, using sw model	10	19	1.1	31	22	AAI30029	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	10	19	1.1	31	22	AAI30029	
Title: US-10-017-621-3	10	19	1.1	31	22	AAI30029	
Perfect score: 1745	10	19	1.1	31	22	AAI30029	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	10	19	1.1	31	22	AAI30029	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	9	18	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	9	18	1.1	31	22	AAI30029	
OM nucleic - nucleic search, using sw model	9	18	1.1	31	22	AAI30029	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	9	18	1.1	31	22	AAI30029	
Title: US-10-017-621-3	9	18	1.1	31	22	AAI30029	
Perfect score: 1745	9	18	1.1	31	22	AAI30029	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	9	18	1.1	31	22	AAI30029	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	8	17	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	8	17	1.1	31	22	AAI30029	
OM nucleic - nucleic search, using sw model	8	17	1.1	31	22	AAI30029	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	8	17	1.1	31	22	AAI30029	
Title: US-10-017-621-3	8	17	1.1	31	22	AAI30029	
Perfect score: 1745	8	17	1.1	31	22	AAI30029	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	8	17	1.1	31	22	AAI30029	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	7	16	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	7	16	1.1	31	22	AAI30029	
OM nucleic - nucleic search, using sw model	7	16	1.1	31	22	AAI30029	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	7	16	1.1	31	22	AAI30029	
Title: US-10-017-621-3	7	16	1.1	31	22	AAI30029	
Perfect score: 1745	7	16	1.1	31	22	AAI30029	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	7	16	1.1	31	22	AAI30029	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	6	15	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	6	15	1.1	31	22	AAI30029	
OM nucleic - nucleic search, using sw model	6	15	1.1	31	22	AAI30029	
Run on: March 3, 2003, 19:29:35 ; Search time 427 Seconds (without alignments)	6	15	1.1	31	22	AAI30029	
Title: US-10-017-621-3	6	15	1.1	31	22	AAI30029	
Perfect score: 1745	6	15	1.1	31	22	AAI30029	
Sequence: 1 ttggaaaggcgttaaaggatg.....9ttcacctgcccacttgcc 1745	6	15	1.1	31	22	AAI30029	
Human H1 histone 9 test sequence from GenCore version 5.1.4_P5_4578	5	14	1.1	31	22	AAI30029	
Copyright (C) 1993 - 2003 Compugen Ltd.	5	14	1.1</td				

PT	Shimkets RA, Leach M;	CC	The present invention describes medicinal compositions (1) inhibiting beta-amyloid production comprising an active component a substance that inhibits the activity of cyclin-dependent kinase (CDK). Also described are: (1) a method for screening compounds for their ability to inhibit the production of beta-amyloid by contacting with beta-amyloid producing cells; and (2) screening kits. (1) have nootropic and neuroprotective activities. (1) suppress the phosphorylation of amyloid precursor protein (APP) which is an essential step in the production of beta-amyloid. (1) can be used in the treatment and prevention of neurodegenerative diseases such as dementia and Alzheimer's disease. The present sequence represents a PCR primer which is used in the exemplification of the present invention.
XX	WPI; 2001-465210/50.	CC	
PT	Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases, oncogenes and histones, useful for diagnosing and treating, e.g. cancer, autoimmune diseases and infections -	CC	
XX	Claim 1; Page 35/3; 4143pp; English.	CC	
CC	The present invention relates to oligonucleotides encoding polymorphic variants of proteins related to amylases, amyloid proteins, angiotensin, apoptosis related proteins, caspase, cyclin, polymerase, oncogenes, histones, kinases, colony stimulating factors, complement related proteins, cytochromes, kinesins, cytokines, interleukins, G-protein coupled receptors and thioesterases. The present sequence is one such oligonucleotide and the peptides encoded by them may be used in the prevention, diagnosis and treatment of diseases associated with inappropriate expression of the proteins listed above. Disorders that may be prevented, diagnosed and/or treated include multifactorial diseases with a genetic component, such as autoimmune diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes, systemic lupus erythematosus and Grave's disease), inflammation, cancer (e.g. cancers of the bladder, brain, breast, colon and kidney, leukaemia), diseases of the nervous system and an infection of pathogenic organisms.	CC	
XX	Sequence 50 BP; 7 A; 13 C; 14 G; 16 T; 0 other;	CC	
CC	Query Match 1.4%; Score 24.8 ; DB 22; Length 50;	CC	
CC	Best Local Similarity 72.7%; Pred. No. 7.8e+03;	CC	
CC	Matches 32; Conservative 0; Mismatches 12; Indels 0; Gaps 0;	CC	
CC	Qy 1619 CAGACCGAGGCCAGGAGGGCTGGAGGGATGCCAACCC 1662	CC	
CC	Db 45 CAGACCSAGGACCCAGACTCATGGAGAAATTGACACC 2	CC	
DE	Human Cdk5 related PCR primer SEQ ID NO:18.	CC	
XX	KW Human; beta-amyloid; cyclin-dependent kinase inhibitor; nerve cell; amyloid precursor protein; APP; Cdk5; PCR primer; ss.	CC	
XX	Homo sapiens.	CC	
XX	W0200182967-A1.	CC	
XX	08-NOV-2001.	CC	
XX	PD 08-NOV-2001.	CC	
XX	21-FEB-2002 (first entry)	CC	
XX	PR 25-APR-2001; 2001WO-JP03555.	CC	
DE	Human Cdk5 related PCR primer SEQ ID NO:19.	CC	
XX	KW Human; beta-amyloid; cyclin-dependent kinase inhibitor; nerve cell; amyloid precursor protein; APP; Cdk5; PCR primer; ss.	CC	
XX	Homo sapiens.	CC	
XX	W0200182967-A1.	CC	
XX	08-NOV-2001.	CC	
XX	PD 08-NOV-2001.	CC	
XX	PR 25-APR-2001; 2001WO-JP03555.	CC	
XX	28-APR-2000; 2000JP-0131037.	CC	
XX	(YAMA) YAMANOUCHI PHARM CO LTD.	CC	
XX	(SUZU) SUZUKI T.	CC	
XX	Suzuki T, Watanabe T, Kawabata S, Hachiya S;	CC	
XX	WPI; 2002-026209/03.	CC	
XX	Medicinal compositions for the treatment of dementia and Alzheimer's disease, comprise compounds that suppress beta amyloid production -	CC	
XX	Example 6; Page 23; 62pp; Japanese.	CC	
XX	The present invention describes medicinal compositions (1) inhibiting beta-amyloid production comprising an active component a substance that inhibits the activity of cyclin-dependent kinase (CDK). Also described are: (1) a method for screening compounds for their ability to inhibit the production of beta-amyloid by contacting with beta-amyloid producing cells; and (2) screening kits. (1) have nootropic and neuroprotective activities. (1) suppress the phosphorylation of amyloid precursor protein (APP) which is an essential step in the production of beta-amyloid. (1) can be used in the treatment and prevention of neurodegenerative diseases such as dementia and Alzheimer's disease. The present sequence represents a PCR primer which is used in the exemplification of the present invention.	CC	
XX	Sequence 33 BP; 10 A; 11 C; 6 G; 6 T; 0 other.	CC	

Query Match 5
 Best Local Similarity 81.2%; Pred. No. 2.0e+04;
 Matches 26; Conservative 0; Mismatches 6;
 Indels 0; Gaps 0;

RESULT 5
 AAI75839 standard; DNA; 50 BP.
 XX
 XX
 AC
 AAI75839;
 XX
 DT 09-NOV-2001 (first entry)
 DE Human silent SNP containing nucleic acid SEQ:2780
 KW Human; single nucleotide polymorphism; SNP; genome; gene therapy;
 KW protein therapy; vaccine; probe; diagnostic assay; detection;
 KW quantitation; restorative therapy; polymorphic; ds.
 XX
 DE Human silent SNP containing nucleic acid SEQ:2780
 KW Human; single nucleotide polymorphism; SNP; genome; gene therapy;
 KW protein therapy; vaccine; probe; diagnostic assay; detection;
 KW quantitation; restorative therapy; polymorphic; ds.
 XX
 OS Homo sapiens.
 XX
 WO200140521-A2.
 PN
 XX
 PD 07-JUN-2001.
 XX
 PF 30-NOV-2000; 2000WO-US32258.
 FF
 XX
 PR 30-NOV-1999; 99US-0168138.
 PR 29-NOV-2000; 2000US-0726173.
 XX
 PA (CURA-) CURAGEN CORP.
 XX
 Shimkets RA, Leach M;
 PI
 XX
 DR WPI: 2001-356160/37.
 XX
 PT Polymorphic nucleic acid sequences, useful in genetic testing and
 PT therapy -
 XX
 PS Claim 1; Page 901; 2653pp; English.
 XX
 CC AAI73060 to AAI79867 represent isolated human polymorphic polynucleotide
 CC sequences (I), which contain single nucleotide polymorphisms (SNPs).
 CC AAM53114 to AAM53329 represent peptides related to human polymorphic
 CC polynucleotide sequences. The sequences can be used in gene and protein
 CC therapy, and in vaccine production. (I) and the polypeptides encoded by
 CC them may be used in the prevention, diagnosis and treatment of diseases
 CC associated with inappropriate expression of polymorphic polypeptides.
 CC For example, (I) may be used to treat disorders by rectifying mutations
 CC or deletions in a patient's genome that affect the activity of
 CC polypeptides by expressing inactive proteins or to supplement the
 CC patient's own production of polypeptide. Additionally, (I) and its
 CC complementary sequences may also be used as DNA probes in diagnostic
 CC assays to detect and quantitate the presence of similar nucleic acids
 CC in samples, and therefore which patients may be in need of restorative
 CC therapy. The polypeptides encoded by (I) may be used as antigens in the
 CC production of antibodies specific for polymorphic polypeptides. The
 CC antibodies may also be used to down regulate expression and activity.
 CC The antibodies may also be used as diagnostic agents for detecting the
 CC presence of polymorphic polypeptides in samples.

Sequence 50 BP; 7 A; 22 C; 13 G; 8 T; 0 other;
 Query Match 1.3%; Score 22; DB 22; Length 50;
 Best Local Similarity 73.7%; Pred. No. 4.2e-04;
 Matches 28; Conservative 0; Mismatches -10; Indels 0; Gaps 0;

RESULT 6
 AAI129606
 ID AAI129606 standard; DNA; 31 BP.
 XX
 AC AAI129606;
 XX
 DE Human silent SNP containing nucleic acid SEQ:2780
 KW Human; single nucleotide polymorphism; SNP; genome; gene therapy;
 KW protein therapy; vaccine; probe; diagnostic assay; detection;
 KW quantitation; restorative therapy; polymorphic; ds.
 XX
 OS Homo sapiens.
 XX
 WO200140521-A2.
 PN
 XX
 PD 07-JUN-2001.
 XX
 PF 30-NOV-2000; 2000WO-US32258.
 FF
 XX
 PR 30-NOV-1999; 99US-0168138.
 PR 29-NOV-2000; 2000US-0726173.
 XX
 PA (CURA-) CURAGEN CORP.
 XX
 Shimkets RA, Leach M;
 PI
 XX
 DR WPI: 2001-356160/37.
 XX
 PT Polymorphic nucleic acid sequences, useful in genetic testing and
 PT therapy -
 XX
 PS Claim 1; Page 901; 2653pp; English.
 XX
 CC AAI73060 to AAI79867 represent isolated human polymorphic polynucleotide
 CC sequences (I), which contain single nucleotide polymorphisms (SNPs).
 CC AAM53114 to AAM53329 represent peptides related to human polymorphic
 CC polynucleotide sequences. The sequences can be used in gene and protein
 CC therapy, and in vaccine production. (I) and the polypeptides encoded by
 CC them may be used in the prevention, diagnosis and treatment of diseases
 CC associated with inappropriate expression of polymorphic polypeptides.
 CC For example, (I) may be used to treat disorders by rectifying mutations
 CC or deletions in a patient's genome that affect the activity of
 CC polypeptides by expressing inactive proteins or to supplement the
 CC patient's own production of polypeptide. Additionally, (I) and its
 CC complementary sequences may also be used as DNA probes in diagnostic
 CC assays to detect and quantitate the presence of similar nucleic acids
 CC in samples, and therefore which patients may be in need of restorative
 CC therapy. The polypeptides encoded by (I) may be used as antigens in the
 CC production of antibodies specific for polymorphic polypeptides. The
 CC antibodies may also be used to down regulate expression and activity.
 CC The antibodies may also be used as diagnostic agents for detecting the
 CC presence of polymorphic polypeptides in samples.

Sequence 50 BP; 7 A; 22 C; 13 G; 8 T; 0 other;
 Query Match 1.3%; Score 22; DB 22; Length 50;
 Best Local Similarity 73.7%; Pred. No. 4.2e-04;
 Matches 28; Conservative 0; Mismatches -10; Indels 0; Gaps 0;

RESULT 6
 AAI129606
 ID AAI129606 standard; DNA; 31 BP.
 XX
 AC AAI129606;

Sequence 31 BP; 8 A; 11 C; 8 G; 4 T; 0 other;
 Query Match 1.3%; Score 22; DB 22; Length 31;
 Best Local Similarity 83.3%; Pred. No. 3.4e+04;
 Matches 25; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Sequence 979 GACCTCAGCCCCAGAACCTGTCATCAAC 1008
 Query 979 GACCTCAGCCCCAGAACCTGTCATCAAC 1008
 Best Local Similarity 83.3%; Pred. No. 3.4e+04;
 Matches 25; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

Sequence 2 GACATCAAGCCCCAGAACCTGTCATCAAC 31
 Query 2 GACATCAAGCCCCAGAACCTGTCATCAAC 31
 Best Local Similarity 83.3%; Pred. No. 3.4e+04;
 Matches 25; Conservative 0; Mismatches 5; Indels 0; Gaps 0;

DT 18-OCT-2001 (first entry)
 XX Human single nucleotide polymorphism (SNP) PCTAIRE3 1.
 DE Human; resequence; genotype; disease; forensic; paternity testing;
 XX single nucleotide polymorphism; SNP; ss.
 KW Homo sapiens.
 OS Homo sapiens.
 FT Location/Qualifiers
 FH replace:[16,C]
 FT /*tag= a
 FT /standard_name= "single nucleotide polymorphism"
 XX WO200166800-A2.
 PN PR 07-MAR-2000; 2000US-0187510.
 XX PR 22-MAY-2000; 2000US-0206129.
 PA (WHED) WHITEHEAD INST BIOMEDICAL RES.
 XX PI Cargill M, Ireland JS, Lander ES;
 DR WPI; 2001-322952/57.
 XX Nucleic acid molecules from the human genome which include polymorphic
 PT sites, useful in methods for predicting the presence, absence or
 PT severity of a particular phenotype or disorder (e.g. diabetes)
 PT associated with a particular genotype -
 XX Claim 1; Page 34; 145pp; English.
 PS The invention relates to the identification of nucleic acid molecules
 CC (AA12513-AA13134) from the human genome which include polymorphic
 CC sites which can predispose individuals to disease. Various genes from a number
 CC of individuals were resequenced and single nucleotide polymorphisms
 CC (SNPs) in these genes discovered. The method is useful for predicting the
 CC presence, absence or severity of a particular phenotype or disorder (e.g.
 CC diabetes) associated with a particular genotype. The nucleic acids
 CC containing the polymorphic sites may be useful in forensics and paternity
 CC testing.
 XX Sequence 31 BP; 6 A; 9 C; 8 G; 8 T; 0 other;
 SQ Query Match 1.2%; Score 21.4%; DB 22; Length 31;
 Best Local Similarity 80.6%; Pred. No. 4.9e+04;
 Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
 RESULT 7
 ID AAH22523/C
 XX AAH22523 standard; DNA; 42 BP.
 AC XX 22-AUG-2001 (first entry)
 DE PCR primer SR53 for amplifying a ifnG coding region.
 KW Transplastome; Plastome; plastid; chloroplast; transgene; plant;
 KW ifnG; PCR primer; ss.
 OS Synthetic.
 XX PN WO200142441-A2.

XX 14-JUN-2001.
 PD XX 08-DEC-2000; 2000WO-EF12446.
 PF XX 08-DEC-1999; 99GB-0029075.
 PR XX 14-JUL-2000; 2000GB-0017365.
 XX PA (ITGE-) INT CENT GENETIC ENG & BIOTECHNOLOGY.
 XX Reddy S, Sadhu L, Shukla V, Ferraiolo G;
 PI XX WPP; 2001-381671/40.
 DR XX Obtaining a stable transplastome for producing a transplastomic cell.
 PT PT plant or seed, comprises transforming a recipient plastome with a
 PT polynucleotide comprising a 5' and 3' sequence homologous to the
 PT recipient -
 XX Example 12; Page 127; 128pp; English.
 PS XX The invention relates to a method of obtaining a stable transplastome,
 CC by transforming a recipient plastome (RP) with a polynucleotide having a
 CC 5' sequence homologous to a region of RP, and joined to it, a sequence
 CC heterologous to RP comprising a coding region operably linked to
 CC regulatory region capable of securing expression of coding region in the
 CC plastid and joined to it, and a 3' sequence homologous to a region of RP.
 CC The method is useful for obtaining a transplastomic plastid, by
 CC transforming a plastome within a plastid such as proplastid, amyloplast,
 CC chromoplast, etioplast or leucoplast, preferably chloroplast. The method
 CC is useful for obtaining a transplastomically expressed protein. The
 CC method provides high, uniform, reliable expression of transgenes in
 CC plants, with stable inheritance of the trait by avoiding the potential
 CC for the dangerous spread of transgenes to the ecosystem. The present
 CC sequence represents a PCR primer for amplifying a ifnG coding region,
 CC used in generating expression vectors for ifnG in chloroplasts.
 XX SQ Sequence 42 BP; 15 A; 10 C; 11 G; 6 T; 0 other;
 SQ Query Match 1.2%; Score 21.4%; DB 22; Length 42;
 Best Local Similarity 80.6%; Pred. No. 5.6e+04;
 Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
 QY 270 Acgtcgccatctcggggacttcgtttcgca 300
 DB 35 ACGTACGGTCCCTGGGACCTTCGATCTGCA 5
 RESULT 8
 ID AAH22563/C
 XX AAH22563 standard; DNA; 42 BP.
 AC XX Unidentified.
 OS XX WO200206497-A2.
 XX PD 24-JAN-2002.
 DE XX PCR primer SR53 for amplifying a ifnG coding region.
 KW XX 13-JUL-2001; 2001WO-EF08132.
 PR XX 14-JUL-2000; 2000GB-0017397.
 PA XX PA (ITGE-) INT CENT GENETIC ENG & BIOTECHNOLOGY.
 XX Reddy VS, Sadhu L;

XX WPI; 2002-171810/22.
 XX DR Producing a protein of interest, e.g., a pharmaceutically active
 PT protein, comprises expressing a polynucleotide fusion construct in a
 PT plasmid and producing a fusion protein comprising the protein of
 PT interest.
 XX Example 1: Page 90; 92pp; English.
 XX The patent discloses a method of producing a protein of interest which
 CC involves expressing a polynucleotide fusion construct in a plastid to
 CC produce a fusion protein comprising the protein of interest where the
 CC construct comprises a polynucleotide coding sequence of the protein of
 CC interest operably linked to a polynucleotide coding sequence of a fusion
 CC protein partner. The methods of the invention are useful for producing a
 CC protein of interest which comprises a human protein or its biologically
 CC active variant or fragment, a pharmaceutically active protein, an IFN
 CC (interferon), its biologically active variant or fragment, a human IFN
 CC gamma or its biologically active variant or fragment. They are useful
 CC for the production of transgenic plants. Methods of the invention are
 CC also useful for the generation of transplastomic plant cells, plants
 CC and seeds. The protein of interest obtained by the methods of the
 CC invention is useful for the manufacture of a medicament for treating
 CC a disease condition. The present DNA sequence is a PCR primer which
 CC is used for amplifying lfg coding region. This primer is used in
 CC the exemplification of the invention to generate pGUSIFNG expression
 CC vector for lfg in chloroplasts.
 XX Sequence 42 BP; 15 A; 10 C; 11 G; 6 T; 0 other;
 SQ Query Match 1.2%; Score 21.4; DB 24; Length 42;
 Best Local Similarity 80.6%; Pred. No. 5.6e+04;
 Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
 Qy 270 ACGTGCTGCTCCCTGGAACTCTGTCGCA 300
 Db 35 ACGTACGGTCTGGCCTCGACCTTCGATCTGCA 5

RESULT 9
 AAQ9406
 ID AAQ9406 standard; DNA; 46 BP.
 XX AC AAQ9406;
 XX DT 27-FEB-1995 (first entry)
 XX DE Human H1 histone gene FNC16, target region.
 XX KW DNA protein-binding assay; test sequence; screening sequence;
 KW promoter; target; TATA box; Herpes Simplex Virus; HSV;
 KW origin of replication; UL9; transcription factor; TFIID; ds.
 XX OS Synthetic.
 PN WO9414980-A.
 XX PR 23-DEC-1992; 92US-0996783.
 XX PR 17-SEP-1993; 93US-0123936.
 XX PD 07-JUL-1994.
 XX PR 20-DEC-1993; 93WO-US12388.
 XX PR 1994-2-24/11/28.
 XX PT Sequence-directed DNA-binding molecules - useful in
 PT pharmaceuticals and as molecular reagents

XX PS Claim 28; Page 290; 587pp; English.
 XX CC A DNA protein-binding assay is provided, useful for screening
 CC libraries of synthetic or biological cps. for their ability
 CC to bind DNA test sequences. The assay is versatile in that any
 CC number of test sequences can be tested by placing the test sequence
 CC adjacent to a defined protein-binding screening sequence. Binding
 CC of mols. to these test sequences changes the binding characteristics
 CC of the protein mol. to its cognate binding sequence. When such a mol.
 CC binds the test sequence, the equilibrium of the DNA:protein complexes
 CC is disturbed, generating changes in the concentration of free DNA probe.
 CC One application of this method is to eukaryotic general transcription
 CC factors (e.g. TFIID), where the target region is typically selected
 CC from DNA sequences adjacent to the binding site for the eukaryotic
 CC transcription factor. Numerous exemplary test sequences are given:
 CC the sequences in AAQ69251-731 and AAQ69850 correspond to promoter
 CC targets (typically, TATA box-contg. sites) for human genes and the
 CC sequences in AAQ69732-849 correspond to promoter targets for viral genes.
 CC The test sequences may also be randomly generated. DNA:protein
 CC interaction may be used for screening purposes, e.g. the Herpes Simplex
 CC Virus (HSV) origin of replication and UL9 (see AAQ69851-52, AAQ69865 and
 CC AAQ69891).
 XX SQ Sequence 46 BP; 9 A; 14 C; 16 G; 7 T; 0 other;
 Query Match 1.2%; Score 21.4; DB 15; Length 46;
 Best Local Similarity 71.8%; Pred. No. 5.8e+04;
 Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 1641 GCGCTGGAGGGATGCCACACCCCTCACAGGGCACCCC 1679
 Db 2 GCGGCTGGATGGACCTCCRCAATCACAGGGCACGCC 40

RESULT 10
 AAT63868
 ID AAT63868 standard; DNA; 46 BP.
 XX AC AAT63868;
 XX DT 14-MAR-1997 (first entry)
 XX DE Human H1 histone gene FNC16 gene TFIID binding site.
 XX KW Duplex DNA; target region; binding characteristic; DNA binding protein;
 KW TFIID; transcription factor; binding site; inhibition; enhance;
 KW cancer; inherited genetic disorder; alpha-D-galactosidase A; ds.
 XX OS Homo sapiens.
 XX PN US5578444 A.
 XX PD 26-NOV-1996.
 XX PP 27-JUN-1991; 91US-0723618.
 XX PR 20-DEC-1993; 93US-0171389.
 PR 27-JUN-1991; 91US-0723618.
 PR 23-DEC-1992; 92US-0996783.
 PR 17-SEP-1993; 93US-0123936.
 PA (GENE-) GENELABS TECHNOLOGIES INC.
 XX Andrews BM, Cantor CR, Edwards CA, Fry KE, Turin LM;
 PA (GENE-) GENELABS TECHNOLOGIES INC.
 PI Andrews BM, Cantor CR, Edwards CA, Fry KE, Turin LM;
 DR 1997-020402/02.
 XX Altering binding characteristics of DNA binding proteins to duplex
 PT DNA - by attaching specific small cpd. to target region close to the
 PT protein's binding site, useful in treatment of viral disease, cancer
 PT etc
 XX

XX Example 15; SEQ ID NO 156; 98pp; English.
 PS
 XX The invention relates to a method of decreasing transcriptional activity
 CC in a duplex deoxyribonucleic acid (DNA) template (T1) comprising
 CC a contacting (T1) with a binding agent comprising at least one small duplex-
 CC DNA binding molecule (T2) coupled to at least one other small duplex-
 CC binding molecule which binds to a non-overlapping region of target
 CC sequence (T3). The method is useful for inhibiting transcription of a
 range of disease-related genes for treating infections (by viruses,
 CC including human immunodeficiency virus, bacteria, fungi, protozoa
 CC and parasites), cancer, cardiovascular, respiratory, gastrointestinal,
 CC endocrine/metabolic, psychiatric, dermatological, ophthalmological,
 CC musculo-skeletal, genetic or urogenital disorders. The method provides
 CC sequence-specific inhibition of transcription of pathological genes
 CC without affecting transcription of cellular genes regulated by the same
 CC transcription factor, and can be applied to regulation of any gene.
 CC ARK82492-ARK83155 represent DNA binding molecule test sequences used in
 CC the method of the invention.
 XX Sequence 46 BP; 9 A; 14 C; 16 G; 7 T; 0 other;

Query Match Score 21.4%; DB 24; Length 46;
 Best Local Similarity 71.8%; Pred. No. 5.8e-04;
 Matches 28; Conservative 0; Mismatches -11; Indels 0; Gaps 0;
 QY 1641 GCGGCTGGAGGGATGCCACACCCCTCACAGGGCAGCCCC 1679
 Db 2 GGGTGTATGGACGTCCACCAATCACAGGGCACGCC 40

RESULT 13
 AAH62195

ID AAH62195 standard; DNA; 21 BP.

XX AAH62195;

XX DT 12-SEP-2001 (first entry)

XX DE PCTAIRE-1 polymorphism containing DNA fragment #96.

XX KW Single nucleotide polymorphism; SNP; human; cancer; inflammation;

XX KW heart disease; paternity testing; forensic science; ds.

OS Homo sapiens.

XX FH Key Location/Qualifiers

FT Variation /replace(11,G)
 FT /*tag= ^a

FT /standard_name= "single nucleotide polymorphism"
 XX PN WO200138576-A2.

XX PD 31-MAY-2001.

XX PF 17-NOV-2000; 99US-0167334.

XX PR 24-NOV-1999; 99US-0167334.

XX PA (WHED) WHITEHEAD INST BIOMEDICAL RES.

PI Cargill M, Ireland JS, Lander ES;

DR WPI: 2001-367705/38.

XX PT New nucleic acid segments of the human genome, particularly from genes
 PT including polymorphic sites, for phenotype correlation, forensics, -
 PT paternity testing, medicine and genetic analysis -
 XX PS Claim 1; Page 37; 80pp; English.

XX CC DNA sequences AAH62100 - AAH62688 represent segments of human genes which

CC contain single nucleotide polymorphisms (SNPs). A method is included in
 CC the invention for analysing a nucleic acid sample, which consists of
 CC determining the base occupying any one of the polymorphic sites given in
 CC the SNP containing sequences. The nucleotide sequences can be used in the
 CC diagnosis or monitoring of diseases, such as cancer, inflammation, heart
 CC diseases, diseases of the cardiovascular system, and infection by
 CC microorganisms. The oligonucleotides are also useful in the manufacture
 CC of a medicament for the treatment or prophylaxis of the diseases, and as
 CC a pharmaceutical. SNP containing oligonucleotides are useful in
 CC applications such as phenotype correlation, forensics, paternity testing,
 CC medicine and genetic analysis.

SQ Sequence 21 BP; 9 A; 4 C; 6 G; 2 T; 0 other;

Query Match Score 21.4%; DB 22; Length 21;

Best Local Similarity 100.0%; Pred. No. 5.4e+04;

Matches 21; Conservative 0; Mismatches 0;

Indels 0; Gaps 0;

QY 702 CAAGAGATCAGACTGGAAACA 722

Db 1 CARGAGATCAGACTGGAAACA 21

RESULT 14

AAH70659/C

ID AAH70659 standard; CDNA; 46 BP.

XX AC AAH70659;

XX DT 19-SEP-2001 (first entry)

XX DE Human cervical cancer marker nucleic acid 1933.

XX KW Cervical cancer; cytostatic; pre-malignant condition; gene therapy; ss.

XX OS Homo sapiens.

XX PN WO200142467-A2.

XX PD 14-JUN-2001.

XX PF 08-DEC-2000; 2000WO-US33312.

XX PR 08-DEC-1999; 99US-0169681.

PR 21-DEC-1999; 99US-0171350.

PR 14-MAR-2000; 2000US-0189315.

PR 12-MAY-2000; 2000US-0203791.

PR 09-JUN-2000; 2000US-0210601.

PR 21-JUL-2000; 2000US-0220114.

XX PA (MILL-) MILLENNIUM PREDICTIVE MEDICINE INC.

XX PI Schlegel R, Deeds J, Berger A, Zhao X;

XX DR WPI: 2001-375006/39.

XX PS Claim 1; Page 415; 1051pp; English.

The invention relates to novel genes (AAH68727-AAH73383) associated with cervical cancer with cytostatic activity. The nucleic acids and encoded polypeptides are useful: to assess if a patient is afflicted with cervical cancer or has a pre-malignant condition; to monitor the progression of cervical cancer or a premalignant condition in a patient; and to select and/or assess the efficacy of a compound or therapy for inhibiting cervical cancer in a patient. The nucleic acids may also be useful for gene therapy.

SQ Sequence 46 BP; 7 A; 13 C; 18 G; 6 T; 2 other;

Query Match 1.28%; Score 21; DB 22; Length 46;

Best Local Similarity 71.1%; Pred. No. 7.3e+04; Mismatches 27; Conservative 0; Indels 11; Gaps 0; Qy 208 GAGCAGATAGGCCCTGGATGAGCTGGTGTGGCTGGGAGTGAC 252
 XX ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 AC AAL34286; Db 50 GAGCAGATAGGCCCTGGTGTGGCTGGGAGCGAC 6

Qy 550 AAGGCCCTAGCCCGCTCCCTCGTGTAGCCTATC 587
 XX ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
 Db 41 AAGGGTCAGTCAGCCGCAGCCGAGTGTCTCTATC 4

RESULT 15

AAL34286_c
 ID AAL34286 standard; DNA; 50 BP.
 XX
 AC AAL34286;
 XX DT 24-JAN-2002 (first entry)
 XX DE Human SNP oligonucleotide #7494.
 XX KW Immunosuppressive; immunostimulatory; antineoplastic; cytostatic;
 KW neuroprotective; antimicrobial; gene therapy; vaccine; amylase; cancer;
 KW amyloid protein; angiopoietin; apoptosis related protein; cadherin;
 KW cyclin; polymerase; oncogene; histone; kinase; colony stimulating factor;
 KW complement related protein; cytochrome; kinase; cytokine; interferon;
 KW interleukin; G-protein coupled receptor; thioesterase; inflammation;
 KW multifactorial disease; autoimmune disease; infection;
 KW nervous system disease; ss.
 OS Homo sapiens.
 XX PN WO200147944-A2.
 XX PD 05-JUL-2001.
 XX PP 28-DEC-2000; 2000WO-US35498.
 XX PR 28-DEC-1999; 99US-0173419.
 PR 27-DEC-2000; 2000US-0173419.
 XX PA (CURA-) CURAGEN CORP.
 XX PI Shinkets RA, Leach M;
 XX DR WPI; 2001-465210/50.
 XX PT Polymorphic nucleic acids encoding e.g. amylases, cyclins, polymerases,
 PT oncogenes and histones, useful for diagnosing and treating, e.g.
 PT cancer, autoimmune diseases and infections -
 XX PS Claim 1; Page 3547; 4143pp; English.
 XX CC The present invention relates to oligonucleotides encoding polymorphic
 CC variants of proteins related to amylases, amyloid proteins, angiopoietin,
 CC apoptosis related proteins, cadherin, cyclin, polymerase, oncogenes,
 CC histones, kinases, colony stimulating factors, complement related
 CC proteins, cytochromes, kinesins, cytokines, interleukins,
 CC G-protein coupled receptors and thioesterases. The present sequence is
 CC one such oligonucleotide. The oligonucleotides and the peptides encoded
 CC by them may be used in the prevention, diagnosis and treatment of
 CC diseases associated with inappropriate expression of the proteins listed
 CC above. Disorders that may be prevented, diagnosed and/or treated include
 CC multifactorial diseases with a genetic component, such as autoimmune
 CC diseases (e.g. rheumatoid arthritis, multiple sclerosis, diabetes,
 CC systemic lupus erythematosus and Grave's disease), inflammation, cancer
 CC (e.g. cancers of the bladder, brain, breast, colon and kidney,
 CC leukaemia), diseases of the nervous system and an infection of pathogenic
 CC organisms.
 XX SQ Sequence 50 BP; 1 A; 27 C; 11 G; 11 T; 0 other;
 Query Match 1.28; Score 21; DB 22; Length 50;
 Best Local Similarity 66.7%; Pred. No. 7.6e+04;
 Matches 30; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Result No.	Score	Query	Match	Length	DB	ID	Description
1	22.2	1.3	47	1	US-08-334-177-5		Sequence 5, Appl1
2	22.2	1.3	47	5	PCT-US95-13830-5		Sequence 5, Appl1
c	21.8	1.2	44	4	US-08-426C-9		Sequence 9, Appl1
4	21.4	1.2	46	1	US-08-171-389-156		Sequence 156, Appl1
5	21.4	1.2	46	1	US-08-123-936-156		Sequence 156, Appl1
6	21.4	1.2	46	2	US-08-475-228A-156		Sequence 156, Appl1
7	21.4	1.2	46	3	US-08-482-080A-156		Sequence 156, Appl1
8	21.4	1.2	46	4	US-09-354-947-156		Sequence 156, Appl1
9	21.4	1.2	46	5	PCT-US93-12388-156		Sequence 156, Appl1
10	20.6	1.2	45	1	US-08-231-009-33		Sequence 33, Appl1
c	20.6	1.2	45	1	US-08-285-936-38		Sequence 38, Appl1
c	20.6	1.2	45	1	US-08-487-860-38		Sequence 38, Appl1
c	20.4	1.2	48	2	US-08-850-049-47		Sequence 47, Appl1
14	20.4	1.2	48	2	US-08-050-478-47		Sequence 47, Appl1
15	20.4	1.2	48	4	US-09-414-117-47		Sequence 47, Appl1
c	20.2	1.2	36	4	US-09-678-437-47		Sequence 21, Appl1
c	18	20.2	40	1	US-08-344-700-21		Sequence 13, Appl1
19	20.2	1.2	40	4	US-09-150-860A-13		Sequence 13, Appl1
20	20.2	1.2	49	2	US-08-752-443		Sequence 33, Appl1
21	20.2	1.2	49	2	US-08-591-196-33		Sequence 33, Appl1
22	20	1.1	36	1	US-08-030-731A-18		Sequence 18, Appl1
c	20	1.1	44	1	US-08-030-731A-19		Sequence 19, Appl1
c	19.6	1.1	39	3	US-09-100-660A-7		Sequence 7, Appl1
25	19.6	1.1	39	4	US-09-335-983-7		Sequence 7, Appl1
c	19.6	1.1	42	4	US-09-355-268A-5		Sequence 235, Appl1
c	19.6	1.1	42	4	US-09-430-615-25		Sequence 25, Appl1

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OM nucleic - nucleic search, using sw model

Run on: March 3, 2003, 22:35:55 ; Search time 76 Seconds
(without alignments)
7041.460 Million cell updates/sec

Title: US-10-017-621-3
Perfect score: 1745
Sequence: 1 tggaaaggcgtaaaggatg.....9ttcacctgtccacttgtcc 1745

Scoring table: IDENTITY_NUCIC
Gapop 10.0 , Gapext 1.0

Searched: 41362 seqs, 15338381 residues

Total number of hits satisfying chosen parameters: 609818

Minimum DB seq length: 0
Maximum DB seq length: 50

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued_Patents_NA:
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2: /cgn2-6/podata/1/ina/5B_COMB.seq:
3: /cgn2-6/podata/1/ina/6A_COMB.seq:
4: /cgn2-6/podata/1/ina/6B_COMB.seq:
5: /cgn2-6/podata/1/ina/PCTUS.COMB.seq:
6: /cgn2-6/podata/1/ina/backfileseq:
Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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Result No.	Score	Query	Match	Length	DB	ID	Description
1	22.2	1.3	47	1	US-08-334-177-5		Sequence 5, Appl1
2	22.2	1.3	47	5	PCT-US95-13830-5		Sequence 5, Appl1
c	21.8	1.2	44	4	US-08-426C-9		Sequence 9, Appl1
4	21.4	1.2	46	1	US-08-171-389-156		Sequence 156, Appl1
5	21.4	1.2	46	1	US-08-123-936-156		Sequence 156, Appl1
6	21.4	1.2	46	2	US-08-475-228A-156		Sequence 156, Appl1
7	21.4	1.2	46	3	US-08-482-080A-156		Sequence 156, Appl1
8	21.4	1.2	46	4	US-09-354-947-156		Sequence 156, Appl1
9	21.4	1.2	46	5	PCT-US93-12388-156		Sequence 156, Appl1
10	20.6	1.2	45	1	US-08-231-009-33		Sequence 33, Appl1
c	20.6	1.2	45	1	US-08-285-936-38		Sequence 38, Appl1
c	20.6	1.2	45	1	US-08-487-860-38		Sequence 38, Appl1
c	20.4	1.2	48	2	US-08-850-049-47		Sequence 47, Appl1
14	20.4	1.2	48	2	US-08-050-478-47		Sequence 47, Appl1
15	20.4	1.2	48	4	US-09-414-117-47		Sequence 47, Appl1
c	20.2	1.2	36	4	US-09-678-437-47		Sequence 21, Appl1
c	18	20.2	40	1	US-08-344-700-21		Sequence 13, Appl1
19	20.2	1.2	40	4	US-09-150-860A-13		Sequence 13, Appl1
20	20.2	1.2	49	2	US-08-752-443		Sequence 33, Appl1
21	20.2	1.2	49	2	US-08-591-196-33		Sequence 33, Appl1
22	20	1.1	36	1	US-08-030-731A-18		Sequence 18, Appl1
c	20	1.1	44	1	US-08-030-731A-19		Sequence 19, Appl1
c	19.6	1.1	39	3	US-09-100-660A-7		Sequence 7, Appl1
25	19.6	1.1	39	4	US-09-335-983-7		Sequence 7, Appl1
c	19.6	1.1	42	4	US-09-355-268A-5		Sequence 235, Appl1
c	19.6	1.1	42	4	US-09-430-615-25		Sequence 25, Appl1

ALIGNMENTS

RESULT 1

US-08-334-177-5 Application US/08334177

Patent No. 5656086

GENERAL INFORMATION:

APPLICANT: Avraham Hava Karsenty

TITLE OF INVENTION: Methods and Kits Using Macrophage Stimulating Protein

NUMBER OF SEQUENCES: 10

CORRESPONDENCE ADDRESS:

ADDRESSEE: Genentech, Inc.

STREET: 460 Point San Bruno Blvd

CITY: South San Francisco

STATE: California

COUNTRY: USA

ZIP: 94080

COMPUTER READABLE FORM:

MEDIUM TYPE: 5.25 inch, 360 Kb floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: patin (Genentech)

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/334,177

FILING DATE:

CLASSIFICATION: 435

PRIOR APPLICATION DATA:

APPLICATION NUMBER:

ATTORNEY/AGENT INFORMATION:

NAME: Marschang, Diane L.

REGISTRATION NUMBER: 35,600

REFERENCE/DOCKET NUMBER: 912

TELECOMMUNICATION INFORMATION:

TELEPHONE: 415/25-5416

TELEFAX: 415/952-9881

TELEX: 910/31-7168

INFORMATION FOR SEQ ID NO: 5:

SEQUENCE CHARACTERISTICS:

LENGTH: 47 bases

TYPE: nucleic acid

STRANDEDNESS: single

TOPOLOGY: linear

US-08-334-177-5

Query Match Best Local Similarity Score 22.2; DB 1; Length 47;

Matches 30; Conservative 0; Mismatches 13; Indels 0; Gaps 0;

Qy 241 GGCGGAGTGGACCTGGAGGGCCCCACACGTGTCGTCCTG 283

Db 2 GGACGAATCACCATTGGGTCCCACCTCTGCTTCTG 44

RESULT 2
PCT-US95-13830-5
Sequence 5, Application PC/TUS9513830
GENERAL INFORMATION:
APPLICANT: Genentech, Inc.
TITLE OF INVENTION: New England Deaconess Hospital Corp.
TITLE OF INVENTION: Methods and Kits Using Macrophage Stimulating
TITLE OF INVENTION: Protein
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS:
ADRESSEEE: Genentech, Inc.
STREET: 460 Point San Bruno Blvd
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatin (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13830
FILING DATE:
CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Marschang, Diane L.
REGISTRATION NUMBER: 35,600
REFERENCE/DOCKET NUMBER: P0912PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415/225-5416
TELEFAX: 415/952-9881
TELEX: 910/371-7168
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 47 base pairs
TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
PCT-US95-13830-5

Query Match 1.3%; Score 22.2; DB 5; Length 47;
Best Local Similarity 69.3%; Pred. No. 5.8e+13;
Matches 30; Conservative 0; Mismatches 13; Indels 0; Gaps 0;
Qy 241 GGCGGCAGTAGCCCTGGAGGACCCACAGTCCTGCCTCG 283
Db 2 GGACGATTCACCATTGGGTCCACTCCCTGCTCTG 44

RESULT 3
US-08-507-426C-9/c
Sequence 9, Application US/08507426C
Patent No. 625534

GENERAL INFORMATION:
APPLICANT: Lenee, Philippe
TITLE OF INVENTION: POLYRBOZYME CAPABLE OF CONFERRING ON PLANTS RESISTANCE
TITLE OF INVENTION: TO VIRUSES AND RESISTANT PLANTS PRODUCING THIS
FILE REFERENCE: 43944-A-PCT-US
CURRENT FILING DATE: 1995-10-25
PRIOR APPLICATION NUMBER: 43944-A-PCT-US
PRIOR FILING DATE: 1995-10-25
NUMBER OF SEQ ID NOS: 14
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 44
TYPE: DNA
ORGANISM: Artificial sequence

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:Synthetic
US-08-507-426C-9

Query Match 1.2%; Score 21.8; DB 4;
Best Local Similarity 70.7%; Pred. No. 7.2e+03;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;

Qy 1559 CGTCGATGCCAGACAGCCAGCTTCGGTGGCG 1599
Db 42 CCTTGTTGGAGACTAGGCACTTGCGCTTGCGCTTG 2

RESULT 4
US-08-171-389-156
Sequence 156, Application US/08171389
Patent No. 5578444
GENERAL INFORMATION:
APPLICANT: Edwards, Cynthia A.
APPLICANT: Cantor, Charles R.
APPLICANT: Andrews, Beth M.
APPLICANT: Turin, Lisa M.
APPLICANT: Fry, Kirk E.
TITLE OF INVENTION: Sequence-Directed DNA Binding
TITLE OF INVENTION: Molecules, Compositions and Methods
NUMBER OF SEQUENCES: 641
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genelabs Technologies, Inc.
STREET: 505 Penobscot Drive
CITY: Redwood City
STATE: CA
COUNTRY: USA
ZIP: 94063
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/171-389
CLASSIFICATION: 435
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/123,936
FILING DATE: 17-SEP-1993
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/996,783
FILING DATE: 23-DEC-1992
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 07/723,618
FILING DATE: 27-JUN-1991
PRIORITY APPLICATION DATA:
APPLICATION NUMBER: US 08/081,070
FILING DATE: 22-JUN-1993
ATTORNEY/AGENT INFORMATION:
NAME: Fabian, Gary R.
REGISTRATION NUMBER: 33,875
REFERENCE/DOCKET NUMBER: 4600-0175/G19P3
TELECOMMUNICATION INFORMATION:
TELEPHONE: (415) 324-0880
TELEFAX: (415) 324-0960
INFORMATION FOR SEQ ID NO: 156:
SEQUENCE CHARACTERISTICS:
LENGTH: 46 base pairs
TYPE: nucleic acid
STRANDEDNESS: double
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
HYPOTHETICAL: NO
ORIGINAL SOURCE:
INDIVIDUAL ISOLATE: Human H1 histone gene FNC16
US-08-171-389-156

Query Match 1.2%; Score 21.4; DB 1; Length 46;
 Best Local Similarity 71.8%; Pred. No. 9.3e+03;
 Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

RESULT 5
 US-08-123-936-156
 ; Sequence 156, Application US/08123936
 ; GENERAL INFORMATION:
 ; APPLICANT: Edwards, Cynthia A.
 ; APPLICANT: Cantor, Charles R.
 ; APPLICANT: Andrews, Beth M.
 ; APPLICANT: Turin, Lisa M.
 ; APPLICANT: Piry, Kirk E.
 ; TITLE OF INVENTION: Sequence-Directed DNA Binding
 ; Molecules, Compositions and Methods
 ; NUMBER OF SEQUENCES: 664
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genelabs Technologies, Inc.
 ; STREET: 505 Penobscot Drive
 ; CITY: Redwood City
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94063
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY DISK
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/475,228A
 ; FILING DATE: 06-JUN-1995
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/123,936
 ; FILING DATE: 17-SEP-1993
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/996,783
 ; FILING DATE: 23-DEC-1992
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/723,618
 ; FILING DATE: 27-JUN-1991
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/081,070
 ; FILING DATE: 22-JUN-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Stratford, Carol A.
 ; REGISTRATION NUMBER: 34,444
 ; REFERENCE/DOCKET NUMBER: 4600-0175.21/G19P3D2
 ; TELECOMMUNICATION INFORMATION
 ; TELEPHONE: (415) 324-0880
 ; TELEFAX: (415) 324-0960
 ; INFORMATION FOR SEQ ID NO: 156
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 46 base Pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; HYPOTHETICAL: NO
 ; ORIGINAL SOURCE:
 ; INDIVIDUAL ISOLATE: Human H1 histone gene FNCL16
 ; US-08-475-228A-156

Query Match 1.2%; Score 21.4; DB 1; Length 46;
 Best Local Similarity 71.8%; Pred. No. 9.3e+03;
 Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

RESULT 6
 US-08-123-936-156
 ; Sequence 156, Application US/08123936
 ; GENERAL INFORMATION:
 ; APPLICANT: Edwards, Cynthia A.
 ; APPLICANT: Cantor, Charles R.
 ; APPLICANT: Andrews, Beth M.
 ; APPLICANT: Turin, Lisa M.
 ; APPLICANT: Piry, Kirk E.
 ; TITLE OF INVENTION: Sequence-Directed DNA Binding
 ; Molecules, Compositions and Methods
 ; NUMBER OF SEQUENCES: 664
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Genelabs Technologies, Inc.
 ; STREET: 505 Penobscot Drive
 ; CITY: Redwood City
 ; STATE: CA
 ; COUNTRY: USA
 ; ZIP: 94063
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY DISK
 ; COMPUTER: IBM PC compatible
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: PatentIn Release #1.0, Version #1.25
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/08/475,228A
 ; FILING DATE: 06-JUN-1995
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/123,936
 ; FILING DATE: 17-SEP-1993
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/996,783
 ; FILING DATE: 23-DEC-1992
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/723,618
 ; FILING DATE: 27-JUN-1991
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/081,070
 ; FILING DATE: 22-JUN-1993
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: Stratford, Carol A.
 ; REGISTRATION NUMBER: 34,444
 ; REFERENCE/DOCKET NUMBER: 4600-0175.21/G19P3D2
 ; TELECOMMUNICATION INFORMATION
 ; TELEPHONE: (415) 324-0880
 ; TELEFAX: (415) 324-0960
 ; INFORMATION FOR SEQ ID NO: 156
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 46 base Pairs
 ; TYPE: nucleic acid
 ; STRANDEDNESS: double
 ; TOPOLOGY: linear
 ; MOLECULE TYPE: DNA (genomic)
 ; HYPOTHETICAL: NO
 ; ORIGINAL SOURCE:
 ; INDIVIDUAL ISOLATE: Human H1 histone gene FNCL16
 ; US-08-475-228A-156

Query Match 1.2%; Score 21.4; DB 1; Length 46;
 Best Local Similarity 71.8%; Pred. No. 9.3e+03;
 Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

RESULT 7
 US-08-482-080A-156
 ; Sequence 156, Application US/08482080A
 ; General Information:
 ; Applicant: Edwards, Cynthia A.

APPLICANT: Cantor, Charles R.
; APPLICANT: Andrews, Beth M.
; APPLICANT: Turin, Lisa M.
; APPLICANT: FRY, Kirk E.
; TITLE OF INVENTION: Sequence-Directed DNA Binding
; TITLE OF INVENTION: Sequence-Directed DNA Binding
; NUMBER OF SEQUENCES: 664
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genelabs Technologies, Inc.
; STREET: 505 Penobscot Drive
; CITY: Redwood City
; STATE: CA
; COUNTRY: USA
; ZIP: 94063
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/482,080A
; FILING DATE: 07-JUN-1995
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/171,389
; FILING DATE: 20-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/123,936
; FILING DATE: 17-SEP-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/996,783
; FILING DATE: 23-DEC-1992
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/123,936
; FILING DATE: 27-JUN-1991
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/081,070
; FILING DATE: 22-JUN-1993
; ATTORNEY/AGENT INFORMATION:
; NAME: Brady, John F.
; REGISTRATION NUMBER: 39,118
; REFERENCE/DOCKET NUMBER: 4600-0175.20/G19P3D1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 324-0980
; TELEFAX: (650) 324-0980
; INFORMATION FOR SEQ ID NO: 156:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 46 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: double
; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
; HYPOTHETICAL: NO
; ORIGINAL SOURCE:
; INDIVIDUAL ISOLATE: Human H1 histone gene FNC16
; US-08-482-080A-156

Query Match 1.2%; Score 21.4%; DB 3; Length 46;
Best Local Similarity 71.8%; Pred. No. 9.3e+03;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 1641 GGGCTTGGAGGGATGCCACACCCCTCACAGGGAGCCC 1679
Db 2 GCGGTGGATTGGACCTCCACCAATCACAGGGAGGCC 40

RESULT 8
US-09-354-947-156
; Sequence 156, Application US/09354947
; GENERAL INFORMATION:
; APPLICANT: Edwards, Cynthia A.
; APPLICANT: Cantor, Charles R.
; APPLICANT: Andrews, Beth M.

Query Match 1.2%; Score 21.4%; DB 4; Length 46;
Best Local Similarity 71.8%; Pred. No. 9.3e+03;
Matches 28; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 1641 GGGCTTGGAGGGATGCCACACCCCTCACAGGGAGCCC 1679
Db 2 GCGGTGGATTGGACCTCCACCAATCACAGGGAGGCC 40

RESULT 9
PCT-US3-12488-156
; Sequence 156, Application PC/TUS9312388
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: Sequence-Directed DNA Binding
; TITLE OF INVENTION: Molecules, Compositions and Methods
; NUMBER OF SEQUENCES: 641

CORRESPONDENCE ADDRESS:
 ADDRESSEE: Genelabs Technologies, Inc.
 STREET: 505 Penobscot Drive
 CITY: Redwood City
 STATE: CA
 COUNTRY: USA
 ZIP: 94063
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC Compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 CURRENT APPLICATION NUMBER: PCT-US93/12388
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/123,936
 FILING DATE: 17-SEP-1993
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/996,783
 FILING DATE: 23-DEC-1992
 ATTORNEY/AGENT INFORMATION:
 NAME: Fabian, Gary R.
 REGISTRATION NUMBER: 33,875
 HYPOTHETICAL: NO
 REFERENCE/DOCKET NUMBER: 4600-0175.41/G19PCT2
 TELEPHONE: (415) 324-0980
 TELEFAX: (415) 324-0960
 INFORMATION FOR SEQ ID NO: 156:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 46 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: double
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)
 HYPOTHETICAL: NO
 ORIGINAL SOURCE:
 INDIVIDUAL ISOLATE: Human H1 histone gene FNC16
 PCT-US93/12388-156

RESULT 10
 US-08-233-009-33
 Sequence No. 33, Application US/08233009
 Patent No. 5646156
 GENERAL INFORMATION:
 APPLICANT: Jacobson, Marlene A
 APPLICANT: Johnson, Robert G
 APPLICANT: Salvatore, Christopher A
 TITLE OF INVENTION: INHIBITION OF EOSINOPHIL
 TITLE OF INVENTION: ACTIVATION THROUGH A3 ADENOSINE RECEPTOR ANTAGONISM
 NUMBER OF SEQUENCES: 56
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merck & Co., Inc.
 STREET: P.O.Box 2000
 CITY: Rahway
 STATE: New Jersey
 COUNTRY: United States
 ZIP: 07065
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/233,009
 FILING DATE: 25-APR-1994
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Bencen, Gerard H
 REGISTRATION NUMBER: 35,746
 REFERENCE/DOCKET NUMBER: 19219
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (908) 594-3901
 TELEFAX: (908) 594-4720
 INFORMATION FOR SEQ ID NO: 33:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 45 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: both
 TOPOLOGY: linear
 MOLECULE TYPE: cDNA
 HYPOTHETICAL: NO
 ANTI-SENSE: YES
 US-08-233-009-33

Query Match Best Local Similarity 1.2%; Score 20.6; DB 1; Length 45;
 Matches 29; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 737 CCTGACCGCCATCGGGAAAGTGTCCGCAGGACCTCAA 779
 Db 2 CCTGACCCACCAACTGTTGCCCTGGCAAGGTCTACATCCA 44

RESULT 11
 US-08-285-936-38/C
 Sequence 38, Application US/08285936
 Patent No. 5728821
 GENERAL INFORMATION:
 APPLICANT: Yelton, Dale
 APPLICANT: Glaser, Scott
 APPLICANT: Huse, William
 APPLICANT: Rosok, Mae J.
 APPLICANT: Gould, David
 TITLE OF INVENTION: No. 5728821 el Mutant BR96 Antibodies and
 TITLE OF INVENTION: Functional Equivalents Reactive With Human Carcinomas
 NUMBER OF SEQUENCES: 57
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Merchant & Gould
 STREET: 11150 Santa Monica Blvd., Suite 400
 CITY: Los Angeles
 STATE: CA
 COUNTRY: USA
 ZIP: 90025-3395

COMPUTER READABLE FORM:
 MEDIUM TYPE: floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: PatentIn Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/285,936
 FILING DATE: 04-AUG-1994
 CLASSIFICATION: 424
 ATTORNEY/AGENT INFORMATION:
 NAME: Adriano, Sarah B.
 REGISTRATION NUMBER: 34,470
 REFERENCE/DOCKET NUMBER: 30436.16US01
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: 310-445-9031
 INFORMATION FOR SEQ ID NO: 38:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 45 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 MOLECULE TYPE: DNA (genomic)

US-08-285-936-38

RESULT 12

Query Match	1.2%	Score 20.6;	DB 1;	Length 45;
Best Local Similarity	67.4%	Pred. No.	1.5e+04	
Matches 29; Conservative	0;	Mismatches	14;	Indels 0;
Matches	29;			Gaps 0;

QY 328 ATTCGTGACGGAGACTGAAAGATGGGGTCTGATGGGAGAGTC 370
Db 44 ACCTGCAGAGGCGCTGGACGGGGCTGGTTGCTTAATCG 2

US-08-487-860-38/C

Sequence 38 ; Application US/084878860
Patent No. 5792416
GENERAL INFORMATION:
APPLICANT: Yelton, Dale
APPLICANT: Glaser, Scott
APPLICANT: Huse, William
APPLICANT: Rosok, Mae J.
TITLE OF INVENTION: No. 5792456el Mutant BR96 Antibodies and
TITLE OF INVENTION: Functional Equivalents Reactive With Human Carcinomas
NUMBER OF SEQUENCES: 62
CORRESPONDENCE ADDRESS:
ADDRESSEE: Merchant & Gould
STREET: 11150 Santa Monica Blvd., Suite 400
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90025-3395
COMPUTER READABLE FORM:
MEDIUM TYPE: FLOPPY DISK
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,860
FILING DATE: 07-JUN-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Adriano, Sarah B.
REGISTRATION NUMBER: 34,470
REFERENCE/DOCKET NUMBER: 30436.16US01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 310-445-1140
TELEFAX: 310-445-9031
INFORMATION FOR SEQ ID NO: 38:
SEQUENCE CHARACTERISTICS:
LENGTH: 45 base pairs
TYPE: nucleic acid
STRANDEDNESS: Single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)

US-08-487-860-38

Query Match 1.2% Score 20.6; DB 1; Length 45;
Best Local Similarity 67.4% Pred. No. 1.5e+04
Matches 29; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

QY 328 ATTCGTGACGGAGACTGAAAGATGGGGTCTGATGGGAGAGTC 370
Db 44 ACCTGCAGAGGCGCTGGACGGGGCTGGTTGCTTAATCG 2

RESULT 13

US-08-850-049-47

Sequence 47 ; Application US/08850049
Patent No. 5965726
GENERAL INFORMATION:
APPLICANT:
APPLICANT:
TITLE OF INVENTION: METHOD OF ELIMINATING

TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
 NUMBER OF SEQUENCES: 130
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: MORGAN & FINNEGAN
 STREET: 345 PARK AVENUE
 CITY: NEW YORK
 STATE: NEW YORK
 COUNTRY: USA
 ZIP: 10154

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08-850,049
 FILING DATE: 02-MAY-1997
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/050,478
 FILING DATE: 26-OCT-1994
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/02908
 FILING DATE: 29-MAR-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/855,747
 FILING DATE: 27-MAR-1992
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: MORRY, MARY J.
 REGISTRATION NUMBER: 34,398
 REFERENCE/DOCKET NUMBER: 2026-4006US1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)751-4800
 TELEFAX: (212)751-6849
 INFORMATION FOR SEQ ID NO: 47:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 48 BASE PAIRS
 TYPE: NUCLEIC ACID
 STRANDEDNESS: SINGLE
 TOPOLOGY: LINEAR
 US-08-850-049-47

Query Match 1.2%; Score 20.4%; DB 2; Length 48;
 Best Local Similarity 71.1%; Pred. No. 1.7e+04;
 Matches 27; Conservative 0; Mismatches 11; Indels 1

Qy	325	GAGATGTCGACGAGACTGAAGATGGGTCTGATGG	362
Db	7	GAGACGGTGCCTGTAAGTTGAAACGGGGATGGATGG	44

RESULT 14
 US-08-050-478-47
 ; sequence 47, Application US/08050478
 ; Patent No. 5972596
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; APPLICANT:
 ; APPLICANT:
 ; TITLE OF INVENTION: METHOD OF ELIMINATING
 ; INHIBITORY/INSTABILITY REGIONS OF mRNA
 ; NUMBER OF SEQUENCES: 130
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: MORGAN & FINNEGAN
 ; STREET: 345 PARK AVENUE
 ; CITY: NEW YORK
 ; STATE: NEW YORK
 ; COUNTRY: USA
 ; ZIP: 10154
 ; COMPUTER READABLE FORM:

MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/050,478
 FILING DATE: 26-OCT-1994
 CLASSIFICATION: 315
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: PCT/US93/02908
 FILING DATE: 29-MAR-1993
 CLASSIFICATION: 435
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 07/858,747
 FILING DATE: 27-MAR-1992
 CLASSIFICATION: 435
 ATTORNEY/AGENT INFORMATION:
 NAME: MORRY, MARY J.
 REGISTRATION NUMBER: 34,398
 REFERENCE/DOCKET NUMBER: 2026-4006US1
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (212)758-4800
 TELEFAX: (212)751-6849
 INFORMATION FOR SEQ ID NO: 47:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 48 BASE PAIRS
 TYPE: NUCLEIC ACID
 STRANDEDNESS: SINGLE
 TOPOLOGY: LINEAR
 US-08-050-478-47

Query Match Score 20.4; DB 2; Length 48;
 Best Local Similarity 71.1%; Pred. No. 1.7e+04
 Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
 Qy 325 GAGATTGTCACGAGACTGTGAAGATGGGTCTGATGG 362
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 Db 7 GAGACGGTGCCTGTAAGTTGAAGCCGGGATGGATGG 44

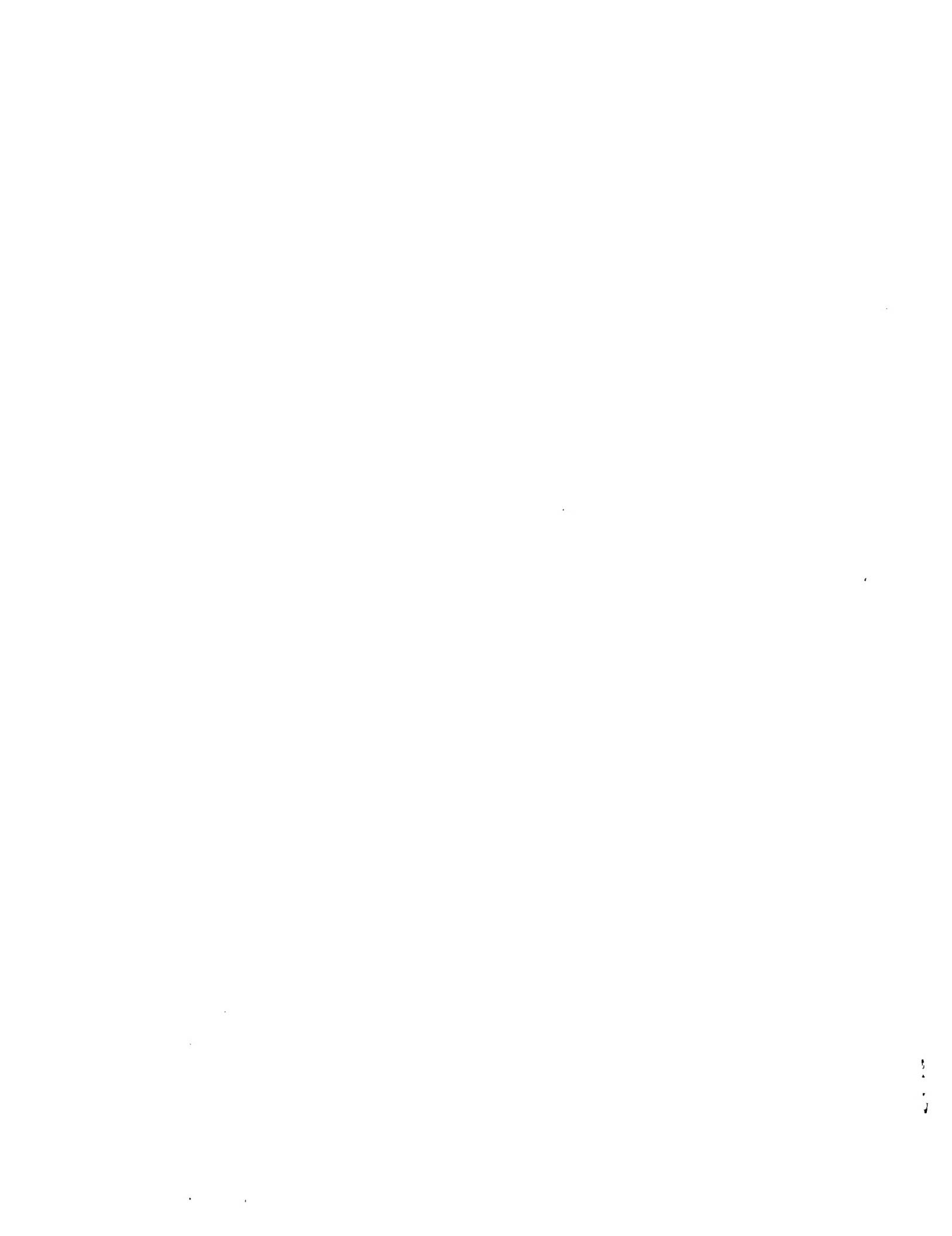
RESULT 15
 US-09-414-117-47
 ; Sequence 47, Application US/09414117
 ; Patent No. 6291664
 ; GENERAL INFORMATION:
 ; APPLICANT:
 ; APPLICANT:
 ; TITLE OF INVENTION: METHOD OF ELIMINATING
 ; TITLE OF INVENTION: INHIBITORY/INSTABILITY REGIONS OF mRNA
 ; NUMBER OF SEQUENCES: 130
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: MORGAN & FINNEGAN
 ; STREET: 345 PARK AVENUE
 ; CITY: NEW YORK
 ; STATE: NEW YORK
 ; COUNTRY: USA
 ; ZIP: 10154

COMPUTER READABLE FORM:
 MEDIUM TYPE: FLOPPY DISK
 COMPUTER: IBM PC COMPATIBLE
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: WORDPERFECT 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/414,117
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/850,049
 FILING DATE:
 CLASSIFICATION:
 PRIOR APPLICATION NUMBER: PCT/US93/02908

; FILING DATE: 29-MAR-1993
 ; CLASSIFICATION:
 ; PRIOR APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/858,747
 ; FILING DATE: 27-MAR-1992
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: MORRY, MARY J.
 ; REGISTRATION NUMBER: 34,398
 ; REFERENCE/DOCKET NUMBER: 2026-4006US1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212)758-4800
 ; TELEFAX: (212)751-6849
 ; INFORMATION FOR SEQ ID NO: 47:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 48 BASE PAIRS
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: SINGLE
 ; TOPOLOGY: LINEAR
 ; US-09-414-117-47

Query Match Score 20.4; DB 4; Length 48;
 Best Local Similarity 71.1%; Pred. No. 1.7e+04
 Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;
 Qy 325 GAGATTGTCACGAGACTGTGAAGATGGGTCTGATGG 362
 ||||| ||||| ||| | ||||| ||| ||||| |||||
 Db 7 GAGACGGTGCCTGTAAGTTGAAGCCGGGATGGATGG 44

Search completed: March 4, 2003, 00:52:00
 Job time : 80 secs



GenCore version 5.1.4_p5_4578
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OM nucleic - nucleic search, using sw model

Run on: March 3, 2003, 22:39:05 ; Search time 133 Seconds
 (without alignments)
 8182.066 Million cell updates/sec

Title: US-10-017-621-3
 Perfect score: 1745
 Sequence: 1 tggaaggcgtaaaggatg.....gttacctggccacttgtcc 1745

Scoring table: IDENTITY_NUC
 Gapext 1.0

Searched: 460893 seqs, 311809382 residues

Total number of hits satisfying chosen parameters: 254638

Minimum DB seq length: 0
 Maximum DB seq length: 50
 Post-processing: Minimum Match 0%
 Maximum Match 100%

Listing first 45 summaries

Database : Published_Applications_NA:
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 6: /cgn2_6_ptodata/2/pubpna/pctus_pubcomb.seq:
 7: /cgn2_6_ptodata/2/pubpna/us08_new_pub.seq:
 8: /cgn2_6_ptodata/2/pubpna/us08_pubcomb.seq:
 9: /cgn2_6_ptodata/2/pubpna/us09_new_pub.seq:
 10: /cgn2_6_ptodata/2/pubpna/us09_pubcomb.seq:
 11: /cgn2_6_ptodata/2/pubpna/us10_new_pub.seq:
 12: /cgn2_6_ptodata/2/pubpna/us10_pubcomb.seq:
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 14: /cgn2_6_ptodata/2/pubpna/us60_pubcomb.seq:
 Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description	
1	21.8	1.2	48	9 US-10-054-444-6	Sequence 6, Appl	
2	21.6	1.2	31	10 US-09-801-274-752	Sequence 752, Appl	
3	21.4	1.2	45	9 US-10-029-413A-25	Sequence 25, Appl	
4	21	1.2	31	10 US-09-801-274-94	Sequence 94, Appl	
5	20.4	1.2	48	9 US-09-943-722-47	Sequence 47, Appl	
6	20	1.1	45	10 US-09-147-142-11	Sequence 11, Appl	
c	7	20	1.1	45	10 US-09-147-142-12	Sequence 12, Appl
c	8	19.8	1.1	40	10 US-09-263-959-758	Sequence 758, Appl
c	9	19.6	1.1	42	10 US-09-750-417-235	Sequence 235, Appl
c	10	19.4	1.1	45	12 US-10-073-256-35	Sequence 27, Appl
c	11	19.4	1.1	45	12 US-10-073-256-27	Sequence 35, Appl
c	12	19.2	1.1	31	10 US-09-801-274-517	Sequence 517, Appl
c	13	19.2	1.1	46	10 US-09-263-959-121	Sequence 23, Appl
c	14	19	1.1	43	9 US-09-376-940-23	Sequence 9, Appl
c	15	19	1.1	45	9 US-09-818-066-32	Sequence 104, APP
c	16	19	1.1	47	9 US-10-118-231-9	Sequence 105, APP
c	17	18.8	1.1	48	9 US-09-840-277-104	Sequence 67, App
c	18	18.8	1.1	48	9 US-09-840-277-105	Sequence 32, App
c	19	18.8	1.1	48	10 US-09-753-436-67	Sequence 16, APP

ALIGNMENTS

```

RESULT 1
US-10-054-444-6
; Sequence 6, Application US/10054444
; GENERAL INFORMATION:
;   Patent No. US20020164342A1
;   APPLICANT: Guyre, Paul M.
;   APPLICANT: Goldstein, Joel
;   APPLICANT: Wu, Zilin
;   APPLICANT: Sun, Wanwen
;   TITLE OF INVENTION: Recombinant Cat Allergen, Fel d1, Expressed in Baculovirus for Diagnosis and Treatment of Cat Allergy
;   FILE REFERENCE: DC-0118
;   CURRENT APPLICATION NUMBER: US/10-054,444
;   CURRENT FILING DATE: 2002-01-22
;   PRIORITY APPLICATION NUMBER: EARLIER APPLICATION NUMBER: 09/410,963
;   PRIORITY FILING DATE: EARLIER FILING DATE: 1999-10-05
;   NUMBER OF SEQ ID NOS: 6
;   SOFTWARE: PatentIn Ver. 2.0
;   SEQ ID NO: 6
;   LENGTH: 48
;   TYPE: DNA
;   ORGANISM: Artificial Sequence
;   FEATURE: OTHER INFORMATION: Description of Artificial Sequence:Synthetic
;   US-10-054-444-6
Query Match 1.2%; Score 21.8; DB 9; Length 48;
Best Local Similarity 70.7%; Pred. No. 9.5e+03;
Matches 29; Conservative 0; Mismatches 12; Indels 0; Gaps 0;
Qy 962 AGAAAGTTGCATACCGGAGACTCTCAAGCCCCAGAACCTGCTC 1002
Db 2 AGAACCTCCACAGAACCTCCACCAAGAACCTCCCT 42
RESULT 2
US-09-801-274-752
; Sequence 752, Application US/09801274
; Patent No. US2002032319A1
; GENERAL INFORMATION:
;   APPLICANT: Cargill, Michele
;   APPLICANT: Ireland, James S.

```

; APPLICANT: Landier, Eric S.
 ; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
 ; FILE REFERENCE: 2B25_2009-001
 ; CURRENT APPLICATION NUMBER: US/09/801,274
 ; CURRENT FILING DATE: 2001-03-07
 ; PRIORITY APPLICATION NUMBER: US 60/187,510
 ; PRIOR FILING DATE: 2000-03-07
 ; PRIORITY APPLICATION NUMBER: US 60/206,129
 ; PRIOR FILING DATE: 2000-05-22
 ; NUMBER OF SEQ ID NOS: 1802
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 752
 ; LENGTH: 31
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-801-274-752

Query Match Score 1.2%; DB 10; Length 31;
 Best Local Similarity 80.0%; Pred. No. 8.8e+03;
 Matches 24; Conservative 1; Mismatches 5; Indels 0; Gaps 0;
 RESULT 5
 US-09-943-722-47

Qy 979 GACCTGAGCCAGAACCTGCTCATCAC 1008
 ||| ||||| ||||| ||||| ||||| |||||
 Db 2 GACATCAAGCCCCAAKAACTGCTGGGAC 31

RESULT 3
 US-10-029-413A-25

; Sequence 25, Application US/10029413A
 ; Patent No. US20020165353A1

; GENERAL INFORMATION:
 ; APPLICANT: Malouf, Nadia
 ; APPLICANT: Nicholls, Timothy C.
 ; TITLE OF INVENTION: Purified and Isolated Platelet Calcium Channel Nucleic Acids and
 ; TITLE OF INVENTION: Polypeptides and Therapeutic and Screening Methods Using Same
 ; FILE REFERENCE: 421/29
 ; CURRENT APPLICATION NUMBER: US/10/029,413A
 ; CURRENT FILING DATE: 2002-03-21
 ; NUMBER OF SEQ ID NOS: 29
 ; SOFTWARE: PatentIn version 3.1
 ; SEQ ID NO: 25
 ; LENGTH: 45
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; FEATURE:
 ; NAME/KEY: partial_cDNA
 ; LOCATION: (1)-(45)
 ; OTHER INFORMATION:
 ; US-10-029-413A-25

Query Match Score 1.2%; DB 9; Length 45;
 Best Local Similarity 80.6%; Pred. No. 1.2e+04;
 Matches 25; Conservative 0; Mismatches 6; Indels 0; Gaps 0;
 RESULT 4
 US-09-801-274-94

; Sequence 94, Application US/09801274
 ; Patent No. US20020032319A1

; GENERAL INFORMATION:
 ; APPLICANT: Cargill, Michelle
 ; APPLICANT: Ireland, James S.
 ; APPLICANT: Landier, Eric S.
 ; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
 ; FILE REFERENCE: 2B25_2009-001
 ; CURRENT APPLICATION NUMBER: US/09/801,274
 ; CURRENT FILING DATE: 2001-03-07
 ; PRIORITY APPLICATION NUMBER: US 60/187,510
 ; PRIOR FILING DATE: 2000-03-07

; PRIORITY APPLICATION NUMBER: US 60/206,129
 ; PRIORITY FILING DATE: 2000-05-22
 ; NUMBER OF SEQ ID NOS: 1802
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 94
 ; LENGTH: 31
 ; TYPE: DNA
 ; ORGANISM: Homo sapiens
 ; US-09-801-274-94

Query Match Score 1.2%; DB 10; Length 31;
 Best Local Similarity 77.4%; Pred. No. 1.3e+04;
 Matches 24; Conservative 1; Mismatches 6; Indels 0; Gaps 0;
 Qy 577 CTGAGCTTATCTGAGATGGCTTTGGAAAC 607
 Db 1 GCCTCCCTGTCAAGACMTGGCTTTGGAAAC 31

; APPLICANT:
 ; TITLE OF INVENTION: METHOD OF ELIMINATING INHIBITORY/INSTABILITY REGIONS OF mRNA
 ; NUMBER OF SEQUENCES: 130
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: MORGAN & FINNEGAN
 ; STREET: 345 PARK AVENUE
 ; CITY: NEW YORK
 ; STATE: NEW YORK
 ; COUNTRY: USA
 ; ZIP: 10154
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: FLOPPY DISK
 ; COMPUTER: IBM PC COMPATIBLE
 ; OPERATING SYSTEM: PC-DOS/MS-DOS
 ; SOFTWARE: WORDPERFECT 5.1
 ; CURRENT APPLICATION DATA:
 ; APPLICATION NUMBER: US/09/943,722
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: 08/850,049
 ; FILING DATE:
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 08/050,478
 ; FILING DATE: 26-OCT-1994
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: PCT/US93/02908
 ; FILING DATE: 29-MAR-1993
 ; CLASSIFICATION:
 ; PRIORITY APPLICATION DATA:
 ; APPLICATION NUMBER: US 07/858,747
 ; FILING DATE: 27-MAR-1992
 ; CLASSIFICATION:
 ; ATTORNEY/AGENT INFORMATION:
 ; NAME: MORRY, MARY J.
 ; REGISTRATION NUMBER: 34,398
 ; REFERENCE/DOCKET NUMBER: 2026-4006US1
 ; TELECOMMUNICATION INFORMATION:
 ; TELEPHONE: (212)758-4800
 ; TELEFAX: (212)51-6849
 ; INFORMATION FOR SEQ ID NO: 47:
 ; SEQUENCE CHARACTERISTICS:
 ; LENGTH: 48 BASE PAIRS
 ; TYPE: NUCLEIC ACID
 ; STRANDEDNESS: SINGLE

;

TOPOLOGY: LINEAR

Query Match 1.2%; Score 20.4; DB 9; Length 48;
Best Local Similarity 71.1%; Pred. No. 2.3e+04;
Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;

Qy 325 GAGATGGTACGAGGACTTAAAGATGGGTCTGATGG 362
Db 7 GAGACGGTGCCTGAGTTGAAGCCGGATGGATGG 44

RESULT 6
US-09-147-142-11
; Sequence 11, Application US/09147142
; Patent No. US20020018749A1
; GENERAL INFORMATION:
; APPLICANT: HUDSON, Peter John
; APPLICANT: KORT, Alex Andrew
; APPLICANT: IRVING, Robert Alexander
; APPLICANT: AEWELL, John Leslie
; TITLE OF INVENTION: HIGH AVIDITY POLYVALENT AND POLYSPECIFIC REAGENTS
; FILE REFERENCE: 016786/0212
; CURRENT APPLICATION NUMBER: US/09/147,142
; CURRENT FILING DATE: 1999-03-05
; EARLIER FILING DATE: 1998-01-26
; EARLIER APPLICATION NUMBER: AU PO 5917
; EARLIER FILING DATE: 1997-03-27
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 11
; LENGTH: 45

;

TYPE: DNA
ORGANISM: Artificial Sequence

;

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: Oligonucleotide used to insert codon between VH
; OTHER INFORMATION: and VL domains of NC10 scFv-0

US-09-147-142-11

Query Match 1.1%; Score 20; DB 10; Length 45;
Best Local Similarity 65.9%; Pred. No. 2.8e+04;
Matches 29; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 643 GGTACCTATGCCACCGTCCTACAAAGGCAAGCTCACAGA 686
Db 1 GGGACACGGTACCGTCCTCGGTGTGATCAGCTCACACA 44

RESULT 7
US-09-147-142-12/C
; Sequence 12, Application US/09147142
; Patent No. US20020018749A1
; GENERAL INFORMATION:
; APPLICANT: HUDSON, Peter John
; APPLICANT: KORT, Alex Andrew
; APPLICANT: IRVING, Robert Alexander
; APPLICANT: AEWELL, John Leslie
; TITLE OF INVENTION: HIGH AVIDITY POLYVALENT AND POLYSPECIFIC REAGENTS
; FILE REFERENCE: 016786/0212
; CURRENT APPLICATION NUMBER: US/09/147,142
; EARLIER FILING DATE: 1999-03-05
; EARLIER APPLICATION NUMBER: PCT/AU98/00212
; EARLIER FILING DATE: 1998-03-26
; EARLIER APPLICATION NUMBER: AU PO 5917
; EARLIER FILING DATE: 1997-03-27
; NUMBER OF SEQ ID NOS: 32
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 12
; LENGTH: 45

;

TYPE: DNA
ORGANISM: Artificial Sequence

;

FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: synthetic
; OTHER INFORMATION: Oligonucleotide used to insert codon between VH
; OTHER INFORMATION: and VL domains of NC10 scFv-0

US-09-147-142-12

Query Match 1.1%; Score 20; DB 10; Length 45;
Best Local Similarity 65.9%; Pred. No. 2.8e+04;
Matches 29; Conservative 0; Mismatches 15; Indels 0; Gaps 0;

Qy 643 GGTACCTATGCCACCGTCCTACAAAGGCAAGCTCACAGA 686
Db 1 GGGACACGGTACCGTCCTCGGTGTGATCAGCTCACACA 44

RESULT 8
US-09-263-959-758
; Sequence 758, Application US/09263959
; Patent No. US20030150891A1
; GENERAL INFORMATION:
; APPLICANT: Hood, Leroy E.
; APPLICANT: Koop, Ben F.
; APPLICANT: Bowen, Lee F.
; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH USE SEQUENCES: 1279
; NUMBER OF SEQUENCES: 1279
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Seed and Berry LLP
; STREET: 6300 Columbia Center, 701 Fifth Avenue
; CITY: Seattle
; STATE: Washington
; COUNTRY: US
; ZIP: 98104-7092
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/263, 959
; FILING DATE: 05-MAR-1999
; ATTORNEY/AGENT INFORMATION:
; NAME: McMasters, David D.
; REGISTRATION NUMBER: 33,963
; REFERENCE/DOCKET NUMBER: 920010.426C2
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (206) 622-4900
; TELEFAX: (206) 682-6031
; INFORMATION FOR SEQ ID NO: 758:
; LENGTH: 40 base Pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-263-959-758

;

SEQUENCE CHARACTERISTICS:
LENGTH: 40 base Pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear

;

RESULT 9
US-09-790-417-235/C
; Sequence 235, Application US/09790417
; Patent No. US20010031470A1
; GENERAL INFORMATION:
; APPLICANT: Shultz, John W
; APPLICANT: Lewis, Martin K.
; APPLICANT: Liepke, Donna

; APPLICANT: Mandrekar, Michelle
 ; APPLICANT: Kephart, Daniel B.
 ; APPLICANT: Rhodes, Richard B.
 ; APPLICANT: Andrews, Christine A.
 ; APPLICANT: Hartnett, James R.
 ; APPLICANT: Gu, Trent
 ; APPLICANT: Olson, Ryan J.
 ; APPLICANT: Wood, Keith W.
 ; APPLICANT: Welch, Roy
 ; TITLE OF INVENTION: Nucleic Acid Detection
 ; FILE REFERENCE: PTO-103 6868/75528
 ; CURRENT APPLICATION NUMBER: US/09/7190,417
 ; CURRENT FILING DATE: 2001-02-22
 ; PRIOR APPLICATION NUMBER: 09/358,972
 ; PRIORITY FILING DATE: 1999-07-21
 ; PRIORITY APPLICATION NUMBER: 09/042,287
 ; PRIOR FILING DATE: 1998-03-13
 ; NUMBER OF SEQ ID NOS: 290
 ; SOFTWARE: Patentin Ver. 2.0
 ; SEQ ID NO: 235
 ; LENGTH: 42
 ; TYPE: DNA
 ; ORGANISM: Artificial Sequence
 ; FEATURE:
 ; OTHER INFORMATION: Description of Artificial Sequence:probe for oligo
 ; OTHER INFORMATION: 54
 US-09-7190-417-35

Query Match 1.1%; Score 19.6%; DB 10; Length 42;
 Best Local Similarity 66.7%; Pred. No. 3.5e+04;
 Matches 28; Conservative 0; Mismatches 14; Indels 0; Gaps 0;

Qy 759 GTCCGTGTCAGAACCTCAAAACGCCAACATCGTTACGCT 800
 Db 42 GTACCTGGTAAATGAACTCACCATCACAAAGCT 1

RESULT 10
 US-10-073-256-27/C
 ; Sequence 27, Application US/10073256
 ; Patent No. US20020120408A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kreiswirth, Barry N
 ; APPLICANT: Nadich, Steven M
 ; TITLE OF INVENTION: System and Method for Tracking and Controlling Infections
 ; FILE REFERENCE: 19124.0002
 ; CURRENT APPLICATION NUMBER: US/10/073,256
 ; CURRENT FILING DATE: 2002-02-13
 ; NUMBER OF SEQ ID NOS: 80
 ; SOFTWARE: Patentin version 3.1
 ; SEQ ID NO: 27
 ; LENGTH: 45
 ; TYPE: DNA
 ; ORGANISM: Enterococcus faecalis
 US-10-073-256-27/C

Query Match 1.1%; Score 19.4%; DB 12; Length 45;
 Best Local Similarity 64.4%; Pred. No. 4.1e+04;
 Matches 29; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1288 ATCCGTGTCAGAACGAGACTACAGACATACTACCCAACTAC 1332
 Db 45 AACAGCGAAACCAAGTACTACAGCAGAAAGTAGTACCTCAAGTAC 1

RESULT 11
 US-10-073-256-35/C
 ; Sequence 35, Application US/10073256
 ; Patent No. US20020120408A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Kreiswirth, Barry N
 ; APPLICANT: Nadich, Steven M
 ; TITLE OF INVENTION: System and Method for Tracking and Controlling Infections

RESULT 12
 US-09-801-274-517
 ; Sequence 517, Application US/09801274
 ; Patent No. US2002032319A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Cargill, Michele S.
 ; APPLICANT: Ireland, James S.
 ; APPLICANT: Lander, Eric S.
 ; TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS
 ; FILE REFERENCE: 2825-2009-001
 ; CURRENT APPLICATION NUMBER: US/09/801,274
 ; CURRENT FILING DATE: 2001-03-07
 ; PRIORITY APPLICATION NUMBER: US 60/187,510
 ; PRIORITY FILING DATE: 2000-03-07
 ; PRIORITY APPLICATION NUMBER: US 60/206,129
 ; PRIORITY FILING DATE: 2000-05-22
 ; NUMBER OF SEQ ID NOS: 1802
 ; SOFTWARE: FastSEQ for Windows Version 4.0
 ; SEQ ID NO: 517

Query Match 1.1%; Score 19.4%; Pred. No. 4.1e+04;
 Best Local Similarity 64.4%; Pred. No. 4.1e+04;
 Matches 29; Conservative 0; Mismatches 16; Indels 0; Gaps 0;

Qy 1190 CCACAGGCCGCCTCTCCGGGC 1215
 Db 5 CCACAGGCCCTYCCCTTCGTTGGGC 30

RESULT 13
 US-09-263-959-121/C
 ; Sequence 121, Application US/09263959
 ; Patent No. US20020150891A1
 ; GENERAL INFORMATION:
 ; APPLICANT: Hood, Leroy E.
 ; APPLICANT: Rowen, Lee
 ; APPLICANT: Koop, Ben F.
 ; TITLE OF INVENTION: DIAGNOSTIC AND THERAPEUTIC COMPOSITIONS AND METHODS WHICH U
 ; NUMBER OF SEQUENCES: 1279
 ; CORRESPONDENCE ADDRESS:
 ; ADDRESSEE: Seed and Berry LLP
 ; STREET: 6300 Columbia Center, 701 Fifth Avenue
 ; CITY: Seattle
 ; STATE: Washington
 ; COUNTRY: US
 ; ZIP: 98104-7092
 ; COMPUTER READABLE FORM:
 ; MEDIUM TYPE: Floppy disk
 ; COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.25
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/263, 959
 FILING DATE: 05-MAR-1999
 CLASSIFICATION:
 ATTORNEY/AGENT INFORMATION:
 NAME: McMasters, David D.
 REGISTRATION NUMBER: 33,963
 REFERENCE/DOCKET NUMBER: 920010.426C2
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (206) 622-4900
 TELEFAX: (206) 682-6031
 INFORMATION FOR SEQ ID NO: 121:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 46 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 US-09-263-959-121

Query Match 1.1%; Score 19.2; DB 10; Length 46;
 Best Local Similarity 75.0%; Pred. No. 4.7e+04;
 Matches 24; Conservative 0; Mismatches 8; Indels 0; Gaps 0;
 Qy 319 GCACCAAGAGATTGTCAACGAGACTTGAAAGAT 350
 Db 46 GCACCAAGAGTTCTGCACAGGGGGAGAT 15

RESULT 14
 US-09-376-940-23/C
 Sequence 23. Application US/09376940A
 Publication No. US20020192813A1
 GENERAL INFORMATION:
 APPLICANT: Conner, Timothy W
 APPLICANT: Santino, Colleen G
 TITLE OF INVENTION: No. US20020192813A1 Plant Expression Vectors
 FILE REFERENCE: monocot elements
 CURRENT APPLICATION NUMBER: US/09/376, 940A
 CURRENT FILING DATE: 1999-08-18
 EARLIER APPLICATION NUMBER: 60/097150
 EARLIER FILING DATE: 1998-08-19
 NUMBER OF SEQ ID NOS: 63
 SOFTWARE: Patentin Ver. 2.1
 SEQ ID NO: 23
 LENGTH: 43
 TYPE: DNA
 ORGANISM: Artificial Sequence
 FEATURE:
 OTHER INFORMATION: Description of Artificial Sequence synthetic
 US-09-376-940-23

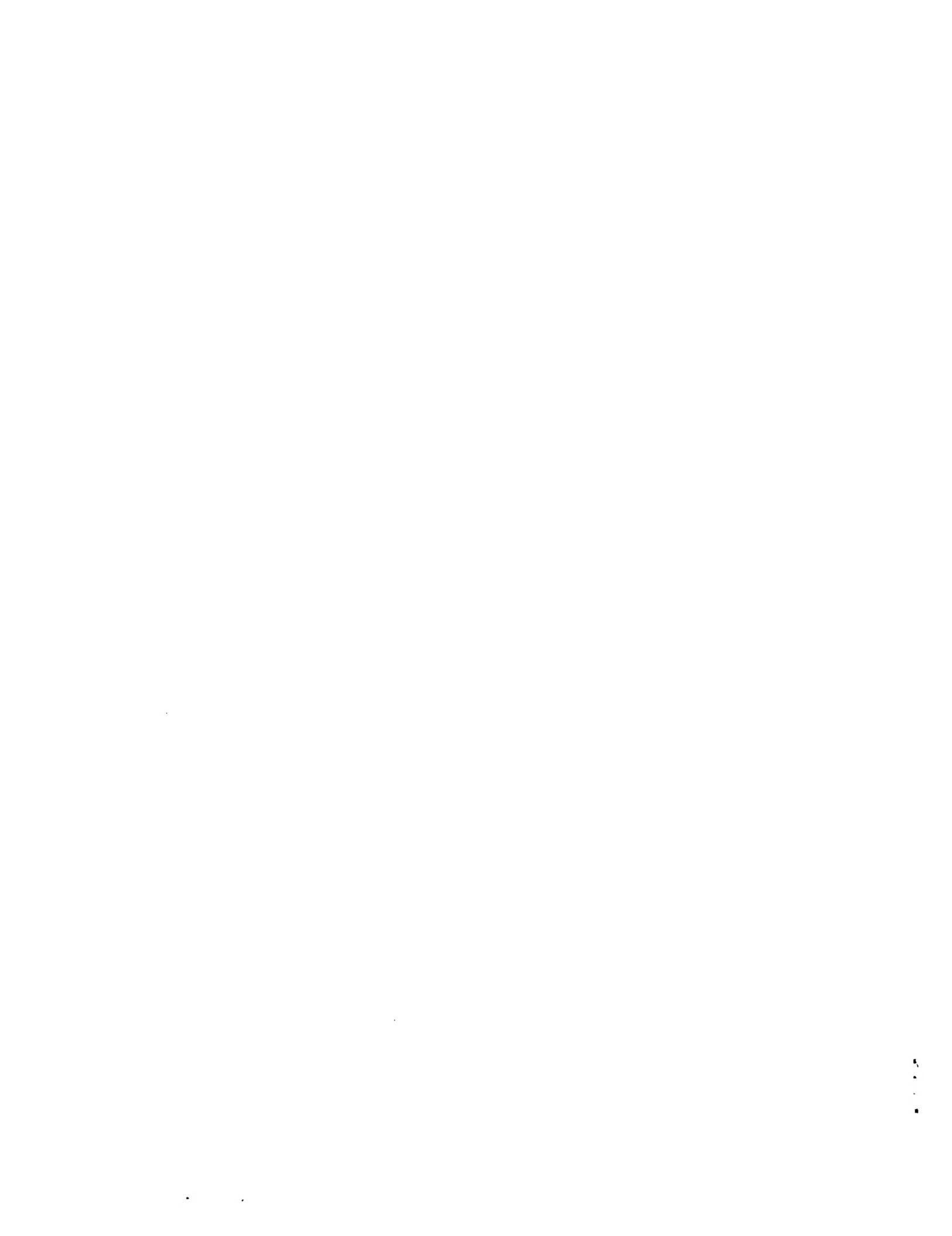
Query Match 1.1%; Score 19; DB 9; Length 43;
 Best Local Similarity 65.1%; Pred. No. 5.1e+04;
 Matches 28; Conservative 0; Mismatches 15; Indels 0; Gaps 0;
 Qy 79 GGCCCCCGCGCTCTGAGGTGCGGGCCCGCGCGATCG 121
 Db 43 GTGTCACCCACCTCGATCTCGCTCGCCGCGCGATCG 1

RESULT 15
 US-09-818-066-32
 Sequence 32, Application US/09818066
 Patent No. US2002032307A1
 GENERAL INFORMATION:
 APPLICANT: Shuping Tong et al.
 TITLE OF INVENTION: HEPADNAVIRUS RECEPTOR
 NUMBER OF SEQUENCES: 75
 CORRESPONDENCE ADDRESS:
 ADDRESSEE: Fish & Richardson P.C.
 STREET: 225 Franklin Street

CITY: Boston
 STATE: Massachusetts
 COUNTRY: U.S.A.
 ZIP: 02110-2804
 COMPUTER READABLE FORM:
 MEDIUM TYPE: Floppy disk
 COMPUTER: IBM PC compatible
 OPERATING SYSTEM: PC-DOS/MS-DOS
 SOFTWARE: Patentin Release #1.0, Version #1.30
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/09/818, 066
 FILING DATE: 17-MAR-2001
 CLASSIFICATION: <unknown>
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: US 08/683, 262
 FILING DATE: 18-JUL-1996
 ATTORNEY/AGENT INFORMATION:
 NAME: Fraser, Janis K.
 REGISTRATION NUMBER: 31,819
 REFERENCE/DOCKET NUMBER: 00786/287002
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (617) 542-5070
 TELEFAX: (617) 542-8906
 TELEX: 200154
 INFORMATION FOR SEQ ID NO: 32:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 45 base pairs
 TYPE: nucleic acid
 STRANDEDNESS: single
 TOPOLOGY: linear
 SEQUENCE DESCRIPTION: SEQ ID NO: 32:
 US-09-818-066-32

Query Match 1.1%; Score 19; DB 10; Length 45;
 Best Local Similarity 71.4%; Pred. No. 5.2e+04;
 Matches 25; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
 Qy 1343 CCCTTGTAGCCACGCCACCCGACTGATAGCGAC 1377
 Db 2 CCCTTGTAGCCACGAAATTCCAGGTAAACAGAC 36

Search completed: March 4, 2003, 00:54:25
 Job time : 134 secs



Result No.	Score	Query Match	Length	DB ID	Description
1	45	2.6	46	14 N78054	N78054 Yv71505.r1
c 2	28	1.6	28	14 R38988	R38988 yd07c08.r1
3	23.2	1.3	48	10 AW241978	AW241978 2819657.5
4	21.4	1.2	50	9 AU107934	AU107934 AU107934
5	21.2	1.2	36	17 A236286	A236286 1M0081C01
6	21	1.2	50	9 AU102877	AU102877 AU102877

8

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match Length	DB ID	Description
1	45	2.6	46	14 N78054
c 2	28	1.6	28	14 R38988
3	23.2	1.3	48	10 AW241978
4	21.4	1.2	50	9 AU107934
5	21.2	1.2	36	17 A236286
6	21	1.2	50	9 AU102877

RESULT 1

N78054

REFERENCE 1 (bases 1 to 46)

AUTHORS Hillier,L., Lennon,G., Becker,M., Bonaldo,M.P., Chiappelli,B., Chissce,S., Dietrich,N., Dubroque,T., Favello,A., Gish,W., Hawkins,M., Hullman,M., Kucaba,T., Lacy,M., Le,M., Le,N., Mardis,E., Moore,B., Morris,M., Parsons,J., Prange,C., Rifkin,L., Rohlfing,T., Schellenberg,K., Soares,M.B., Tan,F., Thierry-Mey.J., Trevaskis,E., Underwood,K., Wohldmann,P., Waterston,R., Wilson,R. and Marra,M.

LOCUS Yv71505.r1

DEFINITION Soares fetal liver spleen 1NFLS Homo sapiens cDNA clone IMAGE:2482165; similar to gb:X66363 SERINE/THREONINE-PROTEIN KINASE PCTAIRE-1 (HUMAN); mRNA sequence.

ACCESSION N78054

VERSION N78054.1 GI:1240755

KEYWORDS EST.

SOURCE human.

ORGANISM Homo sapiens

Mammalia; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eukaryota; Buthidae; Primates; Catarrhini; Hominidae; Homo.

TITLE Generation and analysis of 280,000 human expressed sequence tags

JOURNAL MEDLINE

COMMENT 97044478 Washington University School of Medicine

9

•

Query Match	Score	Length	Pred.	No.	Gaps	EST
Best Local Similarity	2.6%	45	DB 14;			MAY-1995
Matches 55;	97.8%	46;	Pred. No.	0 78;		linear
Matches 45;	Conservative	0;	Mismatches	1;	Indels	CDNA clone
						SERINE/THREONINE-PROTEIN KINASE
Y 1700	ACTCTCTGCTTACCTGCTGAGCCATGTCACTTGCCCCACTGTGCC	1745				
b 1	ACTCTCTGCTTACCTGCTGAGCCATGTCACTTGCCCCACTGTGCC	46				
RESULT 2						
R38968/C	R38968	28 bp	mRNA			
DEFINITION	yd07c08.s1 Soares, infant brain 1NIB Homo sapiens					
	IMAGE:25073	3'				
	similar to gb:66363 SERINE/THREONINE-PROTEIN KINASE					
	PCTAIRE-1 (HUMAN);					
ACCESSION	R38968					
VERSION	R38968.1					
EXON/POS	GI:796424					

ORGANISM	Homo sapiens	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarhini; Hominidae; Homo.
REFERENCE	1 (bases 1 to 28)	Hillier, L.; Clark, N.; Dubuque, T.; Elliston, K.; Hawkins, M.; Holman M.; Hultman, M.; Kucaba, T.; Le M., Lennon, G.; Marra, M.; Parsons, J.; Rifkin, L.; Rohlfing, T.; Soares, M.; Tan, F.; Trevaskis, E.; Waterston R.; Williamson, A.; Wohldmann, P.; and Wilson, R.
AUTHORS		The Human Genome Project Research Group. Decoding the Human Genome. Nature. 409: 860-890. 2000.

JOURNAL
DOCUMENT
Unpublished (1995)
Contact: Wilson RK
Washington University School of Medicine
4444 Forest Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
Email: estiwatson@wustl.edu
Insert Size: 1349
High quality sequence starts: 1
Source: IMAGE Consortium, LNL This clone is available royalty-free
through LNL; contact the IMAGE Consortium (infoimage.lnl.gov)
for further information. Trace contains overall poor quality

Seq primer: -21ml3
High quality sequence stop: 1.
Location/Qualifiers
1..26

ACCESSION AU1028777 GI:13552398
 VERSION EST.
 KEYWORDS human.
 ORGANISM Homo sapiens
 SOURCE Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 50)
 AUTHORS Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata
 H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki
 Y., Nakamura,Y., Sugaya,A. and Sugano,S.
 TITLE Diverse transcriptional initiation revealed by fine, large-scale
 mapping of mRNA start sites
 JOURNAL EMBO Rep. 2 (5), 388-393 (2001)
 MEDLINE 21270072
 COMMENT Contact: Yutaka Suzuki
 Department of Virology
 Institute of Medical Science, University of Tokyo
 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
 Email: yuzuki@ims.u-tokyo.ac.jp
 Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Sugaya,A. and Sugano
 S., Construction and characterization of a full length enriched and
 a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
 Location/Qualifiers 1..:50
 FEATURES source
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone="C0L03075"
 /clone_lib="Sugano Homo sapiens cDNA library";
 /note="Differential display comparison of untreated and
 dimethylfumarate treated U373 cells"
 BASE COUNT 11 a 20 c 10 g 9 t
 ORIGIN 1. :50
 Query Match 1.2%; Score 21; DB 9; Length 50;
 Best Local Similarity 82.8%; Pred. No. 6.3e+05;
 Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
 Qy 491 ACATCGGTGCTGAGGGTACCTGGAG 519
 Db 1 ACATCCAGCTGCCCTGAGCCCTCTGCAG 29

RESULT 7
 AU1053377/C
 DEFINITION AU105237 Sugano Homo sapiens cDNA clone
 HR008919, mRNA sequence.
 ACCESSION AU105237.1
 VERSION GI:13554758
 KEYWORDS human.
 SOURCE Homo sapiens
 ORGANISM Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 50)
 AUTHORS Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata
 H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki
 Y., Nakamura,Y., Sugaya,A. and Sugano,S.
 TITLE Diverse transcriptional initiation revealed by fine, large-scale
 mapping of mRNA start sites
 JOURNAL EMBO Rep. 2 (5), 388-393 (2001)
 MEDLINE 21270072
 COMMENT Contact: Yutaka Suzuki
 Department of Virology
 Institute of Medical Science, University of Tokyo
 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
 Email: yuzuki@ims.u-tokyo.ac.jp
 Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Sugaya,A. and Sugano
 S., Construction and characterization of a full length enriched and
 a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
 Location/Qualifiers 1..:50

ACCESSION AU1028777 GI:13552398
 VERSION EST.
 KEYWORDS Homo sapiens
 ORGANISM Homo sapiens cDNA library"
 SOURCE Eukaryota; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 50)
 AUTHORS Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata
 H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki
 Y., Nakamura,Y., Sugaya,A. and Sugano,S.
 TITLE Diverse transcriptional initiation revealed by fine, large-scale
 mapping of mRNA start sites
 JOURNAL EMBO Rep. 2 (5), 388-393 (2001)
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 COMMENT Contact: Yutaka Suzuki
 Department of Virology
 Institute of Medical Science, University of Tokyo
 4-6-1, Shirokanedai, Minatoku, Tokyo 108-8639, Japan
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 Suzuki,Y., Yoshitomo-Nakagawa,K., Maruyama,K., Sugaya,A. and Sugano
 S., Construction and characterization of a full length enriched and
 a 5'-end-enriched cDNA library. Gene 200 (1-2), 149-156 (1997).
 Location/Qualifiers 1..:50

BASE COUNT 13 a 10 c 22 g 5 t
 ORIGIN 1. :50
 Query Match 1.2%; Score 21; DB 9; Length 50;
 Best Local Similarity 82.8%; Pred. No. 6.3e+05;
 Matches 24; Conservative 0; Mismatches 5; Indels 0; Gaps 0;
 Qy 558 CAGCCGCGCTCCGTGTCAGCTAT 586
 Db 35 CAGCTCCGCCATCTGTCGCCAT 7

RESULT 8
 BM397711/C
 LOCUS BM397711
 DEFINITION 5009-0-35-H11.t.2 Chilcoat/Turkewitz cDNA (large fraction)
 Tetrahymena thermophila cDNA, mRNA sequence.
 ACCESSION BM397711
 VERSION BM397711.1
 KEYWORDS EST.
 SOURCE Tetrahymena thermophila.
 ORGANISM Eukaryota; Alveolata; Ciliophora; Oligohymenophorea;
 Hymenostomatida; Tetrahymenina; Retrahyymena.
 REFERENCE 1 (bases 1 to 50)
 AUTHORS Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E., Franken
 J. and Klobutcher,L.
 TITLE EST from Tetrahymena thermophila, strain CU428.1, growing cells
 JOURNAL Unpublished (2002)
 COMMENT Contact: Turkewitz AP
 Molecular Genetics and Cell Biology
 University of Chicago
 920 E. 55th Street, Chicago, IL 60637, USA
 Tel: 773 702 4374
 Fax: 773 702 3172
 Email: apturkew@midway.uchicago.edu
 Seq Primer: T3.
 FEATURES Source
 BASE COUNT 1. :50
 ORIGIN 1. :50
 Query Match 1.2%; Score 21; DB 13; Length 50;
 Best Local Similarity 60.0%; Pred. No. 6.3e+05;
 Matches 27; Conservative 0; Mismatches 18; Indels 0; Gaps 0;
 Qy 82 CCCCGCGCTCTGAGGTGCTGCGGCCGATGCCATG 126
 Db 50 CCCCGCGACTCCAGTTGTCCTCNCNNNNNGCTCCTG 6

RESULT 9
 AZ99393
 LOCUS AZ993993
 DEFINITION 2M0279E13F Mouse 10kb Plasmid UGGCM library Mus musculus genomic
 clone UGGCM0279E13 F, DNA sequence.
 ACCESSION AZ993993
 VERSION AZ993993.1
 KEYWORDS GSS.
 SOURCE house mouse.

ORGANISM	Mus musculus Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 46)	ORGANISM	Mus musculus Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 48)
REFERENCE AUTHORS	Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenah, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.	REFERENCE AUTHORS	Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenah, E., Pedersen, T., Reilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A., and Wright, D., Weiss, R.
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts	TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts
JOURNAL COMMENT	Unpublished (2000) Contact: Robert B. Weiss University of Utah Genome Center Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Email: ddunn@genetics.utah.edu Insert Length: 10000 Std Error: 0.00 Plate: 0279 row: E column: 13 Seq primer: CGTGTAAACGACGGCCAGT Class: Plasmid ends High quality sequence stop: 46. Location/Qualifiers 1. .46 /organism="Mus musculus" /strain="C57Bl/6J" /db_xref="taxon:10090" /clone="UUGC1M0279E13" /clone_id="Mouse 10kb plasmid UUGC2M library" /sex="Female" /lab_host="E. coli strain XL10-Gold, T1-resistant, F-" /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (female) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor Oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (g14732114 [gb AF129072.1]), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."	JOURNAL COMMENT	Unpublished (2000) Contact: Robert B. Weiss University of Utah Genome Center Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA Tel: 801 585 5606 Fax: 801 585 7177 Email: ddunn@genetics.utah.edu Insert Length: 10000 Std Error: 0.00 Plate: 0026 row: F column: 16 Seq primer: CACACGAAACAGCTATGACC Class: Plasmid ends High quality sequence stop: 48. Location/Qualifiers 1. .48 /organism="Mus musculus" /strain="C57BL/6J" /db_xref="taxon:10090" /clone="UUGC1M026F16" /clone_id="Mouse 10kb plasmid UUGC1M library" /sex="Male" /lab_host="E. coli strain XL10-Gold, T1-resistant, F-" /note="Vector: PWD42nv; Purified genomic DNA from M. musculus C57BL/6J (male) was obtained from the Jackson Laboratory Mouse DNA Resource (http://www.jax.org/resources/documents/dnares/). The DNA was hydrodynamically sheared by repeated passage through a 0.005 inch orifice at constant velocity. The sheared DNA was blunt end-repaired with T4 DNA polymerase and T4 polynucleotide kinase. Adaptor Oligonucleotides were ligated to the blunt ends in high molar excess. The adaptor DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gel electrophoresis. Vector DNA was prepared from a derivative of PWD42 (g14732114 [gb AF129072.1]), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptor mouse DNA was annealed to adaptor vector DNA, and transformed into chemically-competent E. coli XL10-Gold (Stratagene) cells and selected for ampicillin resistance."
FEATURES source	BASE COUNT ORIGIN	BASE COUNT ORIGIN	BASE COUNT ORIGIN
FEATURES source	Query Match 1.2%; Score 20 8; DB 17; Length 46; Best Local Similarity 70.0%; Pred. No. 6.0e+05; Matches 28; Conservative 0; Mismatches 12; Indels 0; Gaps 0;	Query Match 1.2%; Score 20.6%; DB 17; Length 48; Best Local Similarity 67.4%; Pred. No. 7.8e+05; Matches 29; Conservative 0; Mismatches 14; Indels 0; Gaps 0;	Query Match 1.2%; Score 20.6%; DB 17; Length 48; Best Local Similarity 67.4%; Pred. No. 7.8e+05; Matches 29; Conservative 0; Mismatches 14; Indels 0; Gaps 0;
FEATURES source	Qy 223 GATGAGAGTGGTGGTGGGGGGCGATGCCCTGGAGGG 262 Db 3 GATGATGATGGTGGTGGTGTGATGATGGTGTGATG 42	Qy 1499 CTACTCCATATTGGACTAAGGGAGATCAGCTAACAAAAGGA 1541 Db 5 CTAATGCGATGTTACTGAGTAAAGAA 47	RESULT 11 AU106960/c LOCUS AU106960 Sugano Homo sapiens 50 bp mRNA linear EST 30-AUG-2001 DEFINITION CA509689, mRNA sequence. ACCESSION AU106960 VERSION AU106960.1 GI:135564881 KEYWORDS EST, human. SOURCE
FEATURES source	RESULT 10 AZ311362 AZ311362 48 bp DNA linear GSS 29-SEP-2000 DEFINITION IM0026F16R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0026F16 R, DNA sequence. ACCESSION AZ311362 VERSION AZ311362.1 GI:10354248 KEYWORDS GSS, house mouse. SOURCE	RESULT 10 AZ311362 AZ311362 48 bp DNA linear GSS 29-SEP-2000 DEFINITION IM0026F16R Mouse 10kb plasmid UUGC1M library Mus musculus genomic clone UUGC1M0026F16 R, DNA sequence. ACCESSION AZ311362 VERSION AZ311362.1 GI:10354248 KEYWORDS GSS, house mouse. SOURCE	RESULT 11 AU106960/c LOCUS AU106960 Sugano Homo sapiens 50 bp mRNA linear EST 30-AUG-2001 DEFINITION CA509689, mRNA sequence. ACCESSION AU106960 VERSION AU106960.1 GI:135564881 KEYWORDS EST, human. SOURCE

ORGANISM	Homo sapiens	source	
Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.			
REFERENCE	1 (bases 1 to 50.)		
AUTHORS	Suzuki,Y., Taira,H., Tsunoda,T., Mizushima-Sugano,J., Sese,J., Hata ,H., Ota,T., Isogai,T., Tanaka,T., Morishita,S., Okubo,K., Sakaki ,Y., Nakamura,Y., Sugano,A. and Sugano,S.		
TITLE	Diverse transcriptional initiation revealed by fine, large-scale mapping of mRNA start sites		
JOURNAL	EMBO Rep. 2 (5), 388-393 (2001)		
MEDLINE	21270072		
COMMENT	Contact: Yutaka Suzuki Department of Virology Institute of Medical Science, University of Tokyo 4-6-1, Shirokanedai, Minato-ku, Tokyo 108-0039, Japan Email: ysuzuki@ims.u-tokyo.ac.jp		
SOURCE			
	1. .47 /organism="Homo sapiens" /db_xref="taxon:9606" /clone="CA09689" /clone.lib="Sugano Homo sapiens cDNA library" /note="Differential display comparison of untreated and dimethylfumarate treated U937 cells"		
FEATURES			
BASE COUNT	7 a 14 c 18 g 11 t	BASE COUNT	5 a 12 c 20 g 10 t
ORIGIN		ORIGIN	
	Query Match 1.2%; Score 20.6; DB 9; Length 50; Best Local Similarity 74.3%; pred. No. 7.9e+05; Matches 26; Conservative 0; Mismatches 9; Indels 0; Gaps 0;	Query Match 1.2%; Score 20.4; DB 17; Length 47; Best Local Similarity 71.1%; pred. No. 8.6e+05; Matches 27; Conservative 0; Mismatches 11; Indels 0; Gaps 0;	
QY	922 CTGTCAGCTCGTGGCTACTGCCA 956	QY	1644 GCTGAGGGATGCACACCCCTACAGGGCAGCCCCA 1681
DB	43 CTTCCCAAGCTCGCATGGCGCCTGGCAA 9	DB	38 GTTGAAAGGGCCCGCCATCACAGGCCCGCCCA 1
RESULT 12		RESULT 13	
LOCUS	AZ331536	LOCUS	AZ985975
DEFINITION	47 bp DNA linear GSS 29-SEP-2000	DEFINITION	45 bp DNA linear GSS 27-APR-2001
	clone UGGC1M0059H04 R, DNA sequence.		clone UGGC2M0268F01 F, DNA sequence.
ACCESSION	AZ331536	ACCESSION	AZ985975
KEYWORDS	GSS.	KEYWORDS	GSS.
SOURCE	house mouse.	SOURCE	house mouse.
ORGANISM	Mus musculus	ORGANISM	Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
REFERENCE	1 (bases 1 to 47)	REFERENCE	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly ,M., Rose,M., Stokes,R., Tiney,A., von Niederhausern,A., and Wright,D., Weiss,R.
AUTHORS	Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C., Islam,H., Longacre,S., Mahmoud,M., Meenen,E., Pedersen,T., Reilly ,M., Rose,M., Stokes,R., Tiney,A., von Niederhausern,A., and Wright,D., Weiss,R.	AUTHORS	Unpublished (2000)
TITLE	Mouse whole genome scaffolding with paired end reads from 10kb plasmid inserts	TITLE	Unpublished (2000)
JOURNAL		JOURNAL	Contact: Robert B. Weiss
COMMENT	University of Utah Genome Center	COMMENT	University of Utah Genome Center
	University of Utah		University of Utah
	Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA		Rm. 308, Biomedical Polymers Research Bldg., 20 S. 2030 E., SLC, UT 84112, USA
	Tel: 801 585 5606		Tel: 801 585 5606
	Fax: 801 585 7177		Fax: 801 585 7177
	Email: ddunn@genetics.utah.edu		Email: ddunn@genetics.utah.edu
	Insert Length: 10000 Std Error: 0.00		Insert Length: 10000 Std Error: 0.00
	Plate: 0059 Row: H Column: 04		Plate: 0268 Row: F Column: 01
	Seq primer: CACACGAGAACAGCTATGACC		Seq primer: CGTGTAAACGACGGCAGCT
	Class: Plasmid ends		Class: Plasmid ends
	High quality sequence stop: 47.		High quality sequence stop: 45.
FEATURES	Location/Qualifiers	FEATURES	Location/Qualifiers

/tissue_type="moderately-differentiated adenocarcinoma"
/lab_host="DH10B"
/note="Organ: Colon; Vector: PCMV-SPORT6; Site_1: Sall;
Site_2: NotI; Cloned unidirectionally. Primer: Ol190 dT.
Average insert size 1.7 kb. Life Technologies catalog #:
11531-019"
BASE COUNT 9 a 13 c 14 g 4 t
ORIGIN

Query Match 1.18; Score 20; DB 9; Length 40;
Best Local Similarity 72.2%; Pred. No. 1e+06;
Matches 26; Conservative 0; Mismatches 10; Indels 0; Gaps 0;
Qy 232 GTGGCTGGGGCAGTGACCCGTGAGAGCCCCC 267
 | | | | | | |
 1 1 1 1 1 1 1
Db 39 GTGGCTGGCTGGTACCAACCCTGGACCCCCC 4
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 1 1 1 1 1 1

Search completed: March 4, 2003, 00:50:32
Job time : 2635 secs